

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Buxton Environmental, Inc.; 1101 South Blvd., Suite 101; Charlotte, NC 28203

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Ross Klingman, P.G.

Phone: 704-344-1450

E-mail: buxtonenv@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Gaston Co. - Closed Cramerton Landfill	Cramerton Road	N/A	-	6/3/08

Environmental Status: (Check all that apply)

Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action

Type of data submitted: (Check all that apply)

Groundwater monitoring data from monitoring wells
 Groundwater monitoring data from private water supply wells
 Leachate monitoring data
 Surface water monitoring data

Methane gas monitoring data
 Corrective action data (specify) _____
 Other(specify) _____

Notification attached?

- No. No groundwater or surface water standards were exceeded.
- Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
- Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Ross Klingman, P.G.

President

704-344-1450

Facility Representative Name (Print)

Title

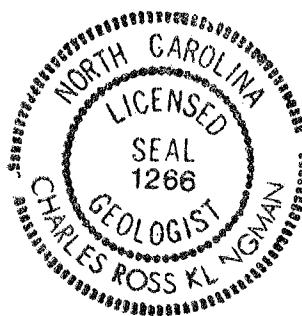
(Area Code) Telephone Number

Signature

10-27-08

Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:



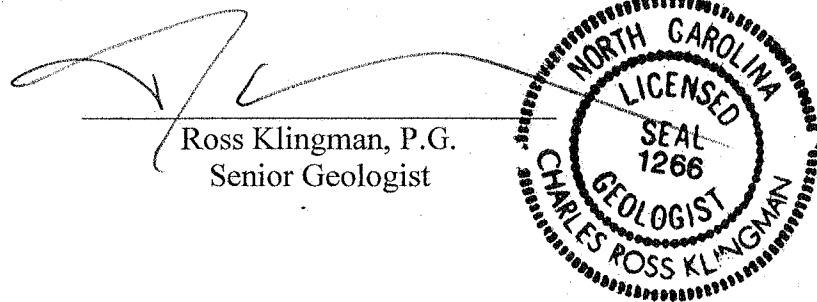
**FIRST SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA**

Prepared for:

Mr. Ray Maxwell, PE
Gaston County Public Works
P.O. Box 1578
Gastonia, North Carolina 28053

July 10, 2008

Prepared by:



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FIRST SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

TABLE OF CONTENTS

1.0	<i>Introduction</i>	1
2.0	<i>Background Information</i>	2
3.0	<i>Groundwater and Surface Water Monitoring Activities</i>	3
4.0	<i>Groundwater Flow Direction</i>	4
5.0	<i>Groundwater and Surface Water Analytical Results</i>	5
6.0	<i>Conclusions</i>	6
7.0	<i>Recommendations</i>	7

LIST OF FIGURES

1. Site Location Map
2. Site Layout Map
3. Shallow Groundwater Flow
4. Groundwater Analytical Results

LIST OF TABLES

1. Groundwater Gauging Data
2. Field Parameter Data
3. Groundwater Analytical Results
4. Surface Water Analytical Results

APPENDICES

- A. Laboratory Data Sheets
- B. Historical Groundwater Analytical Results

FIRST SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the first semi-annual 2008 groundwater and surface water monitoring activities conducted at the Gaston County Closed Cramerton Landfill located in Gaston County, North Carolina. The purpose for conducting the assessment was to monitor groundwater, surface water and hydrogeologic conditions at the subject site. A site location map and site layout map are provided in Figures 1 and 2, respectively.

The monitoring activities were conducted in general accordance with the North Carolina Department of Environment and Natural Resources, Division of Waste Management-Solid Waste Section (NCSWM) guidelines, and memorandums dated October 27, 2006, February 23, 2007 and October 16, 2007 concerning changes to laboratory detection limits and reporting requirements. A summary of background information, and the methods, results, conclusions and recommendations of this investigation are outlined below.

2.0 BACKGROUND INFORMATION

Based on review of aerial photographs and discussions with Gaston County personnel, the subject facility operated from approximately 1966 until it closed in 1984. The subject property consists of approximately 44 acres and contains a Colonial Pipeline (petroleum) easement across the central portion of the site. Two landfill areas, one located northwest of the pipeline and one located southeast of the pipeline, were filled during operation.

To comply with NCSWM guidelines, semi-annual groundwater monitoring was initiated in April 1997 at eight shallow monitor wells MW-1 through MW-8. The groundwater samples were analyzed for Appendix I volatile organic compounds (VOC's) and RCRA metals. Groundwater samples collected at the site during these activities indicated several VOC's and metals above the North Carolina Groundwater Protection Standards (NCGPS's).

Due to the presence of target constituents above the NCGPS's, the NCSWM requested that additional assessment be conducted to determine the extent of affected groundwater and the existence of surrounding water supply wells. According to a March 22, 2001 *Site Assessment Activities for Cramerton Closed Landfill* report prepared by Resolve Environmental Services, P.A., two deep monitor wells MW-2D and MW-6D and one shallow monitor well MW-7A were installed at the site. The three wells were installed immediately adjacent to monitor wells MW-2, MW-6 and MW-7, respectively. Groundwater sample MW-2D indicated the presence of 68 micrograms per liter (ug/l) lead, which is above the NCGPS. Groundwater sample MW-6D indicated the presence of 20 ug/l lead and 9 ug/l benzene, which are above the NCGPS's. Groundwater sample MW-7A indicated the presence of 22 ug/l lead and 6 ug/l 1,2-dichloroethane, which are above the NCGPS's. During the assessment, 34 water supply wells were identified within a 0.5 mile radius of the former landfill. According to the report, these water supply wells were either located upgradient of the landfill or were separated by a shallow groundwater divide.

In response to the March 2001 report, the NCSWM requested in a November 8, 2001 letter that additional assessment activities be conducted in the area of monitor well MW-6D and MW-7A to determine the extent of affected groundwater. Gaston County Public Works is currently evaluating the purchase of immediately adjacent property to serve as a buffer for affected groundwater detected at the site.

Gaston County recently purchased 2.44 acres of property on the eastern corner of the site located immediately adjacent to monitor well MW-7A.

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On June 3, 2008, Buxton Environmental, Inc. conducted the first semi-annual 2008 groundwater and surface water monitoring event at the subject site. Groundwater monitoring activities were conducted at seven shallow monitor wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7A and MW-8, and two deep monitor wells MW-2D and MW-6D. Due to recent drought conditions, monitor well MW-5 was dry and was unable to be sampled. Surface water samples Upstream and Downstream were also collected during these activities.

Prior to conducting the sampling activities, groundwater levels were obtained from each well with a depth-to-water electrode to the nearest 0.01 foot. Following the gauging activities, each well was purged of three well bore volumes of water with a disposable Teflon bailer attached to new nylon rope. Purge water was poured on the ground surface at respective well heads. Field parameters including pH, conductivity and temperature were collected following purging at each well and at each surface water sample location. Groundwater gauging and field parameter data are provided in Tables 1 and 2, respectively.

The groundwater and surface water samples were analyzed for Appendix I VOC's by EPA Method 8260B, and 8 RCRA metals by EPA Methods 6010B and 7470A. For quality control purposes, one trip blank and one equipment blank were analyzed for Appendix I VOC's. The trip blank was prepared by the laboratory and the de-ionized water utilized for the equipment blank was supplied by the laboratory. The laboratory analyses were conducted by Shealy Environmental Services, Inc. in West Columbia, South Carolina. The water samples were collected in general accordance with accepted protocol, including chain-of-custody documentation.

The monitor wells were locked and appeared to be in good condition during the sampling event.

4.0 GROUNDWATER FLOW DIRECTION

Based on groundwater levels obtained on June 3, 2008, shallow groundwater flow at the site is to the south, southwest, northwest and southeast. A shallow groundwater flow direction map is provided in Figure 3.

A horizontal hydraulic gradient of 0.04 feet per feet (ft/ft) was observed between shallow monitor wells MW-1 and MW-3. An upward vertical gradient of 0.04 ft/ft was observed at nested monitor wells MW-2 and MW-2D, and a downward gradient of 0.20 ft/ft was observed at nested monitor wells MW-6 and MW-6D. Upward vertical gradients are generally associated with groundwater discharge zones and downward gradients are generally associated with groundwater recharge zones.

5.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the first semi-annual 20078 event are presented in Tables 3 and 4, respectively, and are illustrated in Figure 4. Laboratory data sheets are presented in Appendix A. Historical groundwater analytical results are presented in Appendix B.

Groundwater samples collected at monitor wells MW-2, MW-4, MW-6, MW-6D, MW-7A and MW-8 indicated the presence of target constituents above the NCGPS's, which are summarized below. Groundwater sample MW-2 indicated the presence of 3.3 ug/l 1,4-dichlorobenzene, 1.8 ug/l vinyl chloride, 2.8 ug/l cadmium and 25B ug/l lead (B=detected in method blank).

Groundwater sample MW-4 indicated the presence of 2 ug/l benzene and 14 ug/l 1,4-dichlorobenzene. Groundwater sample MW-6 indicated 6.2 ug/l benzene, 20 ug/l 1,4-dichlorobenzene, 1.6 ug/l 1,2-dichloroethane and 7 ug/l vinyl chloride. Groundwater sample MW-6D indicated 4.1 ug/l benzene, 6.6 ug/l 1,4-dichlorobenzene, 0.69J ug/l 1,2-dichloropropane (J=estimated result (<Solid Waste Section Limit (SWSL) or Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)) and 3.4 ug/l vinyl chloride. Groundwater sample MW-7A indicated the presence of 1.3 ug/l benzene, 5.7 ug/l 1,4-dichlorobenzene and 0.29J ug/l vinyl chloride. Groundwater sample MW-8 indicated 2 ug/l cadmium. The remaining groundwater samples did not indicate target constituents above the NCGPS's.

The Upstream and Downstream surface water samples did not indicate target constituents above the NCGPS.

The trip and equipment blanks did not indicate the presence of VOC's above method detection limits.

6.0 CONCLUSIONS

On June 3, 2008, Buxton Environmental, Inc. conducted the first semi-annual 2008 groundwater monitoring activities at the Closed Cramerton Landfill located in Gaston County, North Carolina. A summary of the findings of this investigation is provided below.

- Shallow groundwater flow at the site is to the south, southwest, northwest and southeast.
- Groundwater samples collected at MW-2, MW-4, MW-6, MW-6D, MW-7A and MW-8 indicated target constituents above the NCGPS's.
- The Upstream and Downstream surface water samples did not indicate target constituents above the NCGPS's.

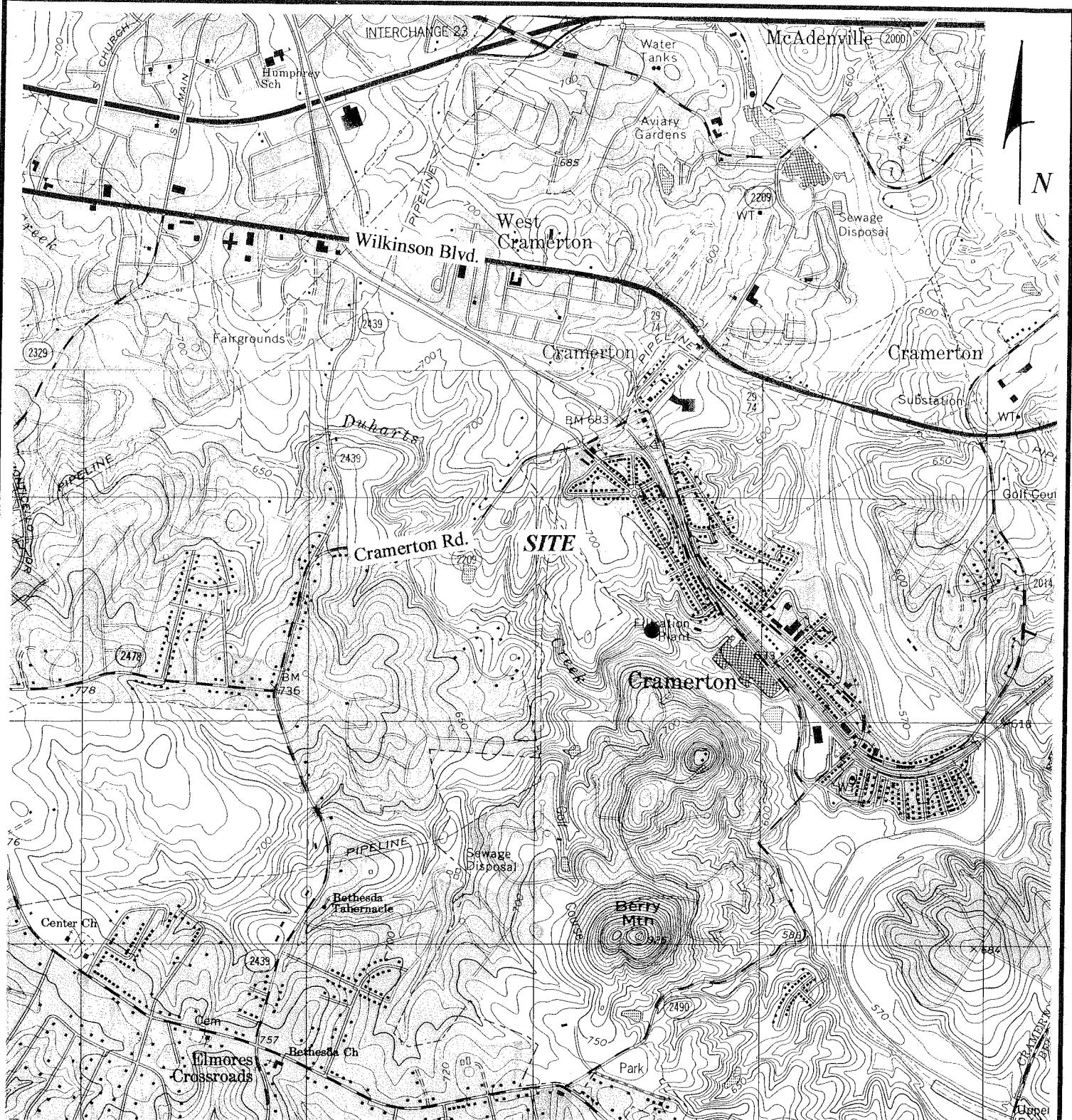
7.0 RECOMMENDATIONS

Based on the findings of this assessment, Buxton Environmental, Inc. makes the following recommendations.

- Semi-annual groundwater monitoring should continue to be conducted at the Closed Cramerton Landfill. The next sampling event is anticipated to be conducted in November 2008.
- A copy of this report should be forwarded to the NCSWM for their review.

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FIGURES



Scale

0 Feet 2,000

Source: United States Geological Survey, 1993 Mount Holly,
1997 Belmont, North and South Carolina Quadrangles

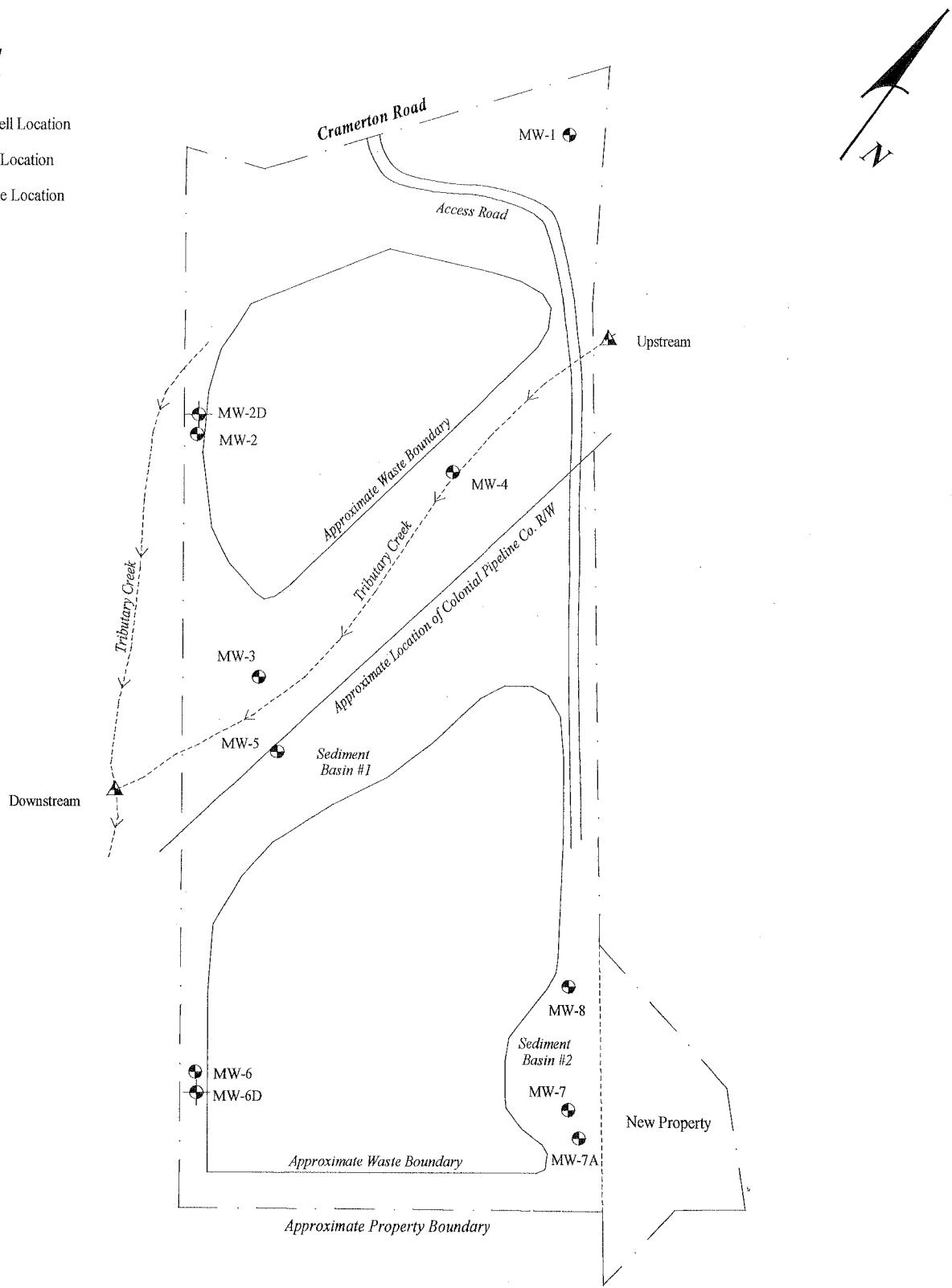
Gaston County
Closed Cramerton Landfill
Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 1.
Site Location Map

Legend

- Shallow Monitor Well Location
- Deep Monitor Well Location
- ▲ Surfacewater Sample Location



Scale
0 Feet 300

Source: Resolve Environmental Services,
P.A. Site Layout Map and Survey Plat
by Robinson & Sawyer, Inc.

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Gaston County
Closed Cramerton Landfill
Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 2.
Site Layout Map

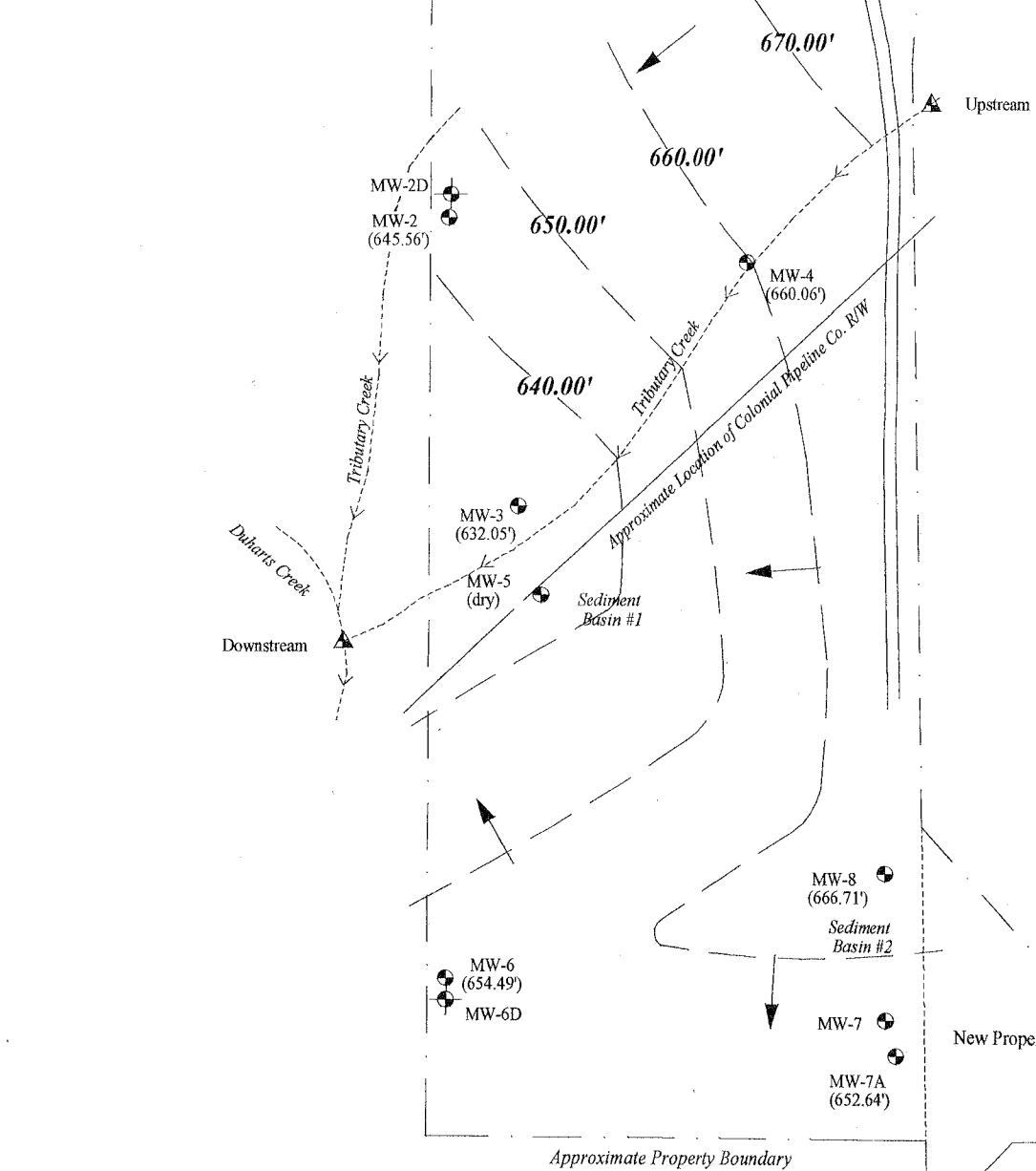
Legend

- Shallow Monitor Well Location
- Deep Monitor Well Location
- ▲ Surface Water Sample Location

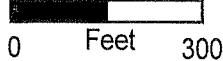
650.00' Shallow Groundwater Potentiometric Line

Shallow Groundwater Flow Direction

Water levels obtained on June 3, 2008 to the nearest 0.01 foot with a depth-to-water electrode.



Scale



rksketch:crlf1503

Gaston County
Closed Cramerton Landfill
Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 3.
Shallow Groundwater Flow
First Semi-Annual 2008

Legend

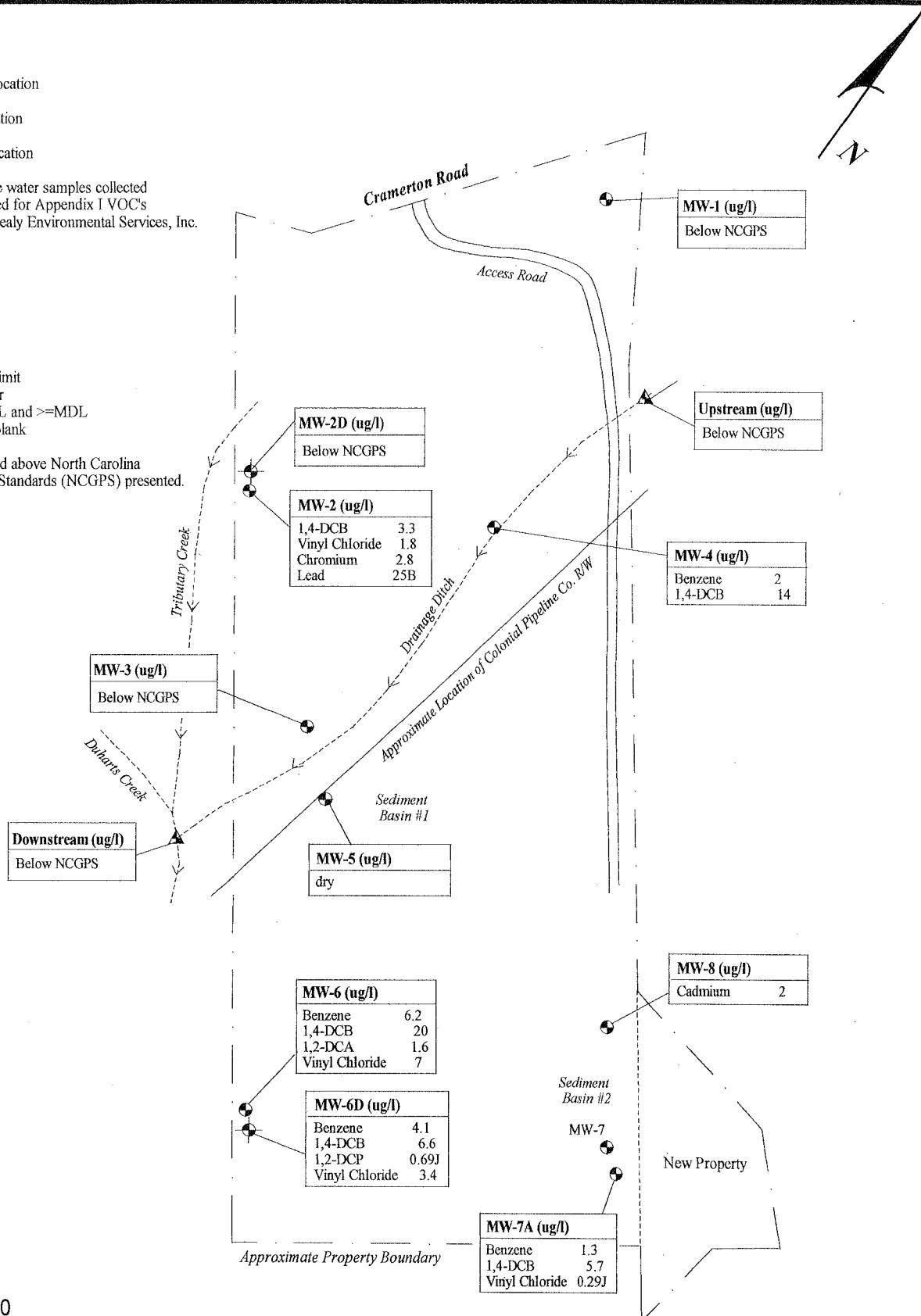
- Shallow Monitor Well Location
- Deep Monitor Well Location
- ▲ Surfacewater Sample Location

Groundwater and surface water samples collected June 3, 2008 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc. MW-5 was dry.

DCA = Dichloroethane
 DCB = Dichlorobenzene
 DCP = Dichloropropane
 TCE = Trichloroethene
 TCP = Trichloropropene

BDL = below detection limit
 ug/l = microgram per liter
 J = estimated result <PQL and >=MDL
 B = detected in method blank

Only constituents detected above North Carolina Groundwater Protection Standards (NCGPS) presented.



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Gaston County
 Closed Cramerton Landfill
 Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 4.
 Groundwater Analytical Results
 First Semi-Annual 2008

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 3, 2008

<i>Well ID</i>	<i>TD BTOC (ft)</i>	<i>TOC Elevation (ft)</i>	<i>DTW BTOC (ft)</i>	<i>DTW Elevation (ft)</i>
MW-1	23.90	702.23	19.74	682.49
MW-2	17.50	652.34	6.78	645.56
MW-2D	53.00	656.54	9.62	646.92
MW-3	15.50	643.73	11.68	632.05
MW-4	10.00	667.20	7.14	660.06
MW-5	11.70	646.88	dry	dry
MW-6	29.00	682.36	27.87	654.49
MW-6D	56.00	685.74	36.05	649.69
MW-7A	38.00	680.03	27.39	652.64
MW-8	26.00	671.01	4.30	666.71

Notes:

Depth to water measurements collected on June 3, 2008 to the nearest 0.01 foot
with a depth to water meter.

TD=total depth;BTOC=below top of casing;TOC=top of casing;DTW=depth to water;ft=feet

TABLE 2
FIELD PARAMETER DATA
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 3, 2008

Sample ID	Field Parameters		
	pH (standard units)	K (uS)	T (fahrenheit)
MW-1	7.7	90	68
MW-2	7.0	290	68
MW-2D	8.8	430	66
MW-3	6.3	390	62
MW-4	6.6	620	66
MW-5	dry	dry	dry
MW-6	6.8	680	69
MW-6D	7.0	590	69
MW-7A	6.8	470	68
MW-8	7.6	170	64
Upstream	7.7	130	68
Downstream	7.4	350	69

Notes:

Field parameters collected on June 3, 2008

SU = standard units

uS = mho's per second

K = conductivity; T = temperature

"--" = no data, limited water

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 3, 2008

Sample ID	MW-1	MW-2	MW-2D	MW-3	MW-4	MW-5	MW-6	MW-6D	MW-7A	MW-8	NCGPS
Appendix I VOC's											
Benzene	BDL	0.65J	BDL	BDL	2	NT	6.2	4.1	1.3	BDL	1
Chlorobenzene	BDL	5	BDL	BDL	10	NT	1	0.77J	1.4	BDL	50
Chloroethane	BDL	BDL	BDL	BDL	1.4J	NT	3.1	BDL	1.2J	BDL	2,800
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	1.4	NT	0.71J	0.48J	BDL	BDL	24
1,4-Dichlorobenzene	BDL	3.3	BDL	BDL	14	NT	20	6.6	5.7	BDL	1.4
1,1-Dichloroethane	BDL	1.2	1.8	BDL	0.14J	NT	3.1	16	1.3	BDL	70
1,1-Dichloroethene	BDL	2.2	1.1	BDL	BDL	NT	BDL	0.32J	BDL	BDL	7
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	NT	1.6	BDL	BDL	BDL	0.38
cis-1,2 Dichloroethene	BDL	2.2	1.3	BDL	0.15J	NT	52	55	1.6	BDL	70
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	NT	0.35J	0.3J	BDL	BDL	100
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	NT	0.28J	0.69J	BDL	BDL	0.51
Tetrachloroethene	BDL	BDL	0.28J	BDL	BDL	NT	BDL	BDL	BDL	BDL	0.7
Toluene	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	0.33J	BDL	1,000
Trichloroethene	BDL	BDL	0.22J	BDL	BDL	NT	1.7	2.7	BDL	BDL	2.8
Xylenes	BDL	BDL	BDL	BDL	BDL	NT	0.95J	0.72J	BDL	BDL	530
Vinyl Chloride	BDL	1.8	BDL	BDL	BDL	NT	7	3.4	0.29J	BDL	0.015
RCRA Metals											
Arsenic	BDL	6.1	BDL	BDL	BDL	NT	BDL	BDL	32	BDL	50
Barium	130	390	19J	110	620	NT	1,200	150	430	47	2,000
Cadmium	BDL	2.8	1.5J	1.1J	1.4J	NT	1J	1.6J	0.85J	2	1.75
Chromium	3.7J	10	BDL	BDL	5.1	NT	BDL	BDL	BDL	BDL	50
Lead	BDL	25B	6.3B	BDL	10B	NT	BDL	BDL	BDL	BDL	15
Mercury	BDL	0.22	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	1.05
Silver	BDL	BDL	BDL	2.1J	7.1	NT	4J	1.1J	BDL	BDL	17.5

Notes:

Groundwater samples were collected on June 3, 2008 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc. in W. Columbia, SC.

BDL = below detection limit; NS = no standard;

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

Bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

NT = not tested, limited water or dry well

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TABLE 4
SURFACE WATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 3, 2008

<i>Sample ID</i>	<i>Upstream</i>	<i>Downstream</i>	<i>NCGPS</i>
<i>Appendix I VOC's</i>	BDL	BDL	NA
<i>RCRA Metals</i>			
Barium	46	78	2,000
Silver	BDL	0.8J	17.5

Notes:

Surface water samples collected June 3, 2008 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc. in W. Columbia, SC.

BDL = below detection limit

NA = not applicable

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

data presented in micrograms per liter (ug/l)

J = estimated result <PQL and >=MDL

NT = not tested, dry

APPENDIX A
LABORATORY DATA SHEETS

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Buxton Environmental
PO Box 11550
Charlotte, NC 28220
Attention: Ross Klingman

Project Name: Gaston Co Landfill - Cramerton

Lot Number: JF06051
Date Completed: 06/13/2008



Michael Casalena
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

• • • • • • • •

SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative Buxton Environmental Lot Number: JF06051

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary Buxton Environmental Lot Number: JF06051

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	06/03/2008 1230	06/06/2008
002	MW-2	Aqueous	06/03/2008 1300	06/06/2008
003	MW-2D	Aqueous	06/03/2008 1345	06/06/2008
004	MW-3	Aqueous	06/03/2008 1415	06/06/2008
005	MW-4	Aqueous	06/03/2008 1445	06/06/2008
006	MW-6	Aqueous	06/03/2008 1630	06/06/2008
007	MW-6D	Aqueous	06/03/2008 1700	06/06/2008
008	MW-7A	Aqueous	06/03/2008 1600	06/06/2008
009	MW-8	Aqueous	06/03/2008 1545	06/06/2008
010	UPSTREAM	Aqueous	06/03/2008 1200	06/06/2008
011	DOWNSTREAM	Aqueous	06/03/2008 1515	06/06/2008
012	TRIP BLANK	Aqueous	05/16/2008 1630	06/06/2008

(12 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

**Executive Summary
Buxton Environmental
Lot Number: JF06051**

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Barium	6010B	0.13		mg/L	8
001	MW-1	Aqueous	Chromium	6010B	0.0037	J	mg/L	8
002	MW-2	Aqueous	Benzene	8260B	0.65	J	ug/L	9
002	MW-2	Aqueous	Chlorobenzene	8260B	5.0		ug/L	9
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	3.3		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethane	8260B	1.2		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethene	8260B	2.2		ug/L	9
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	2.1		ug/L	9
002	MW-2	Aqueous	Vinyl chloride	8260B	1.8		ug/L	10
002	MW-2	Aqueous	Arsenic	6010B	0.0061		mg/L	11
002	MW-2	Aqueous	Barium	6010B	0.39		mg/L	11
002	MW-2	Aqueous	Cadmium	6010B	0.0028		mg/L	11
002	MW-2	Aqueous	Chromium	6010B	0.010		mg/L	11
002	MW-2	Aqueous	Lead	6010B	0.025	B	mg/L	11
002	MW-2	Aqueous	Mercury	7470A	0.00022		mg/L	11
002	MW-2	Aqueous	Silver	6010B	0.00091	J	mg/L	11
003	MW-2D	Aqueous	1,1-Dichloroethane	8260B	1.8		ug/L	12
003	MW-2D	Aqueous	1,1-Dichloroethene	8260B	1.1		ug/L	12
003	MW-2D	Aqueous	cis-1,2-Dichloroethene	8260B	1.3		ug/L	12
003	MW-2D	Aqueous	Tetrachloroethene	8260B	0.28	J	ug/L	12
003	MW-2D	Aqueous	Trichloroethene	8260B	0.22	J	ug/L	12
003	MW-2D	Aqueous	Barium	6010B	0.019	J	mg/L	14
003	MW-2D	Aqueous	Cadmium	6010B	0.0015	J	mg/L	14
003	MW-2D	Aqueous	Lead	6010B	0.0063	B	mg/L	14
004	MW-3	Aqueous	Barium	6010B	0.11		mg/L	17
004	MW-3	Aqueous	Cadmium	6010B	0.0011	J	mg/L	17
004	MW-3	Aqueous	Silver	6010B	0.0021	J	mg/L	17
005	MW-4	Aqueous	Benzene	8260B	2.0		ug/L	18
005	MW-4	Aqueous	Chlorobenzene	8260B	10		ug/L	18
005	MW-4	Aqueous	Chloroethane	8260B	1.4	J	ug/L	18
005	MW-4	Aqueous	1,2-Dichlorobenzene	8260B	1.4		ug/L	18
005	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	14		ug/L	18
005	MW-4	Aqueous	1,1-Dichloroethane	8260B	0.14	J	ug/L	18
005	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	0.15	J	ug/L	18
005	MW-4	Aqueous	Barium	6010B	0.62		mg/L	20
005	MW-4	Aqueous	Cadmium	6010B	0.0014	J	mg/L	20
005	MW-4	Aqueous	Chromium	6010B	0.0051		mg/L	20
005	MW-4	Aqueous	Lead	6010B	0.010	B	mg/L	20
005	MW-4	Aqueous	Silver	6010B	0.0071		mg/L	20
006	MW-6	Aqueous	Benzene	8260B	6.2		ug/L	21
006	MW-6	Aqueous	Chlorobenzene	8260B	1.0		ug/L	21
006	MW-6	Aqueous	Chloroethane	8260B	3.1		ug/L	21
006	MW-6	Aqueous	1,2-Dichlorobenzene	8260B	0.71	J	ug/L	21
006	MW-6	Aqueous	1,4-Dichlorobenzene	8260B	20		ug/L	21
006	MW-6	Aqueous	1,1-Dichloroethane	8260B	3.1		ug/L	21

Executive Summary (Continued)

Lot Number: JF06051

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
006	MW-6	Aqueous	1,2-Dichloroethane	8260B	1.6		ug/L	21
006	MW-6	Aqueous	cis-1,2-Dichloroethene	8260B	52		ug/L	21
006	MW-6	Aqueous	trans-1,2-Dichloroethene	8260B	0.35	J	ug/L	21
006	MW-6	Aqueous	1,2-Dichloropropane	8260B	0.28	J	ug/L	21
006	MW-6	Aqueous	Trichloroethene	8260B	1.7		ug/L	21
006	MW-6	Aqueous	Vinyl chloride	8260B	7.0		ug/L	22
006	MW-6	Aqueous	Xylenes (total)	8260B	0.95	J	ug/L	22
006	MW-6	Aqueous	Barium	6010B	1.2		mg/L	23
006	MW-6	Aqueous	Cadmium	6010B	0.0010	J	mg/L	23
006	MW-6	Aqueous	Silver	6010B	0.0040	J	mg/L	23
007	MW-6D	Aqueous	Benzene	8260B	4.1		ug/L	24
007	MW-6D	Aqueous	Chlorobenzene	8260B	0.77	J	ug/L	24
007	MW-6D	Aqueous	1,2-Dichlorobenzene	8260B	0.48	J	ug/L	24
007	MW-6D	Aqueous	1,4-Dichlorobenzene	8260B	6.6		ug/L	24
007	MW-6D	Aqueous	1,1-Dichloroethane	8260B	16		ug/L	24
007	MW-6D	Aqueous	1,1-Dichloroethene	8260B	0.32	J	ug/L	24
007	MW-6D	Aqueous	cis-1,2-Dichloroethene	8260B	55		ug/L	24
007	MW-6D	Aqueous	trans-1,2-Dichloroethene	8260B	0.30	J	ug/L	24
007	MW-6D	Aqueous	1,2-Dichloropropane	8260B	0.69	J	ug/L	24
007	MW-6D	Aqueous	Trichloroethene	8260B	2.7		ug/L	24
007	MW-6D	Aqueous	Vinyl chloride	8260B	3.4		ug/L	25
007	MW-6D	Aqueous	Xylenes (total)	8260B	0.72	J	ug/L	25
007	MW-6D	Aqueous	Barium	6010B	0.15		mg/L	26
007	MW-6D	Aqueous	Cadmium	6010B	0.0016	J	mg/L	26
007	MW-6D	Aqueous	Silver	6010B	0.0011	J	mg/L	26
008	MW-7A	Aqueous	Benzene	8260B	1.3		ug/L	27
008	MW-7A	Aqueous	Chlorobenzene	8260B	1.4		ug/L	27
008	MW-7A	Aqueous	Chloroethane	8260B	1.2	J	ug/L	27
008	MW-7A	Aqueous	1,4-Dichlorobenzene	8260B	5.7		ug/L	27
008	MW-7A	Aqueous	1,1-Dichloroethane	8260B	1.3		ug/L	27
008	MW-7A	Aqueous	cis-1,2-Dichloroethene	8260B	1.6		ug/L	27
008	MW-7A	Aqueous	Toluene	8260B	0.33	J	ug/L	27
008	MW-7A	Aqueous	Vinyl chloride	8260B	0.29	J	ug/L	28
008	MW-7A	Aqueous	Arsenic	6010B	0.032		mg/L	29
008	MW-7A	Aqueous	Barium	6010B	0.43		mg/L	29
008	MW-7A	Aqueous	Cadmium	6010B	0.00085	J	mg/L	29
009	MW-8	Aqueous	Barium	6010B	0.047		mg/L	32
009	MW-8	Aqueous	Cadmium	6010B	0.0020		mg/L	32
010	UPSTREAM	Aqueous	Barium	6010B	0.046		mg/L	35
011	DOWNSTREAM	Aqueous	Barium	6010B	0.078		mg/L	38
011	DOWNSTREAM	Aqueous	Silver	6010B	0.00080	J	mg/L	38

(86 detections)

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 06/03/2008 1230

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1039	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND	20	6.7	ug/L	1	
Acrylonitrile		107-13-1	8260B	ND	20	1.2	ug/L	1	
Benzene		71-43-2	8260B	ND	1.0	0.13	ug/L	1	
Bromochloromethane		74-97-5	8260B	ND	1.0	0.16	ug/L	1	
Bromodichloromethane		75-27-4	8260B	ND	1.0	0.33	ug/L	1	
Bromoform		75-25-2	8260B	ND	1.0	0.66	ug/L	1	
Bromomethane (Methyl bromide)		74-83-9	8260B	ND	2.0	0.81	ug/L	1	
2-Butanone (MEK)		78-93-3	8260B	ND	10	2.0	ug/L	1	
Carbon disulfide		75-15-0	8260B	ND	1.0	0.097	ug/L	1	
Carbon tetrachloride		56-23-5	8260B	ND	1.0	0.14	ug/L	1	
Chlorobenzene		108-90-7	8260B	ND	1.0	0.33	ug/L	1	
Chloroethane		75-00-3	8260B	ND	2.0	0.47	ug/L	1	
Chloroform		67-66-3	8260B	ND	1.0	0.33	ug/L	1	
Chloromethane (Methyl chloride)		74-87-3	8260B	ND	1.0	0.35	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND	1.0	0.60	ug/L	1	
Dibromochloromethane		124-48-1	8260B	ND	1.0	0.33	ug/L	1	
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND	1.0	0.30	ug/L	1	
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND	1.0	0.35	ug/L	1	
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND	2.0	0.83	ug/L	1	
1,2-Dichlorobenzene		95-50-1	8260B	ND	1.0	0.33	ug/L	1	
1,4-Dichlorobenzene		106-46-7	8260B	ND	1.0	0.33	ug/L	1	
1,1-Dichloroethane		75-34-3	8260B	ND	1.0	0.13	ug/L	1	
1,2-Dichloroethane		107-06-2	8260B	ND	1.0	0.15	ug/L	1	
1,1-Dichloroethene		75-35-4	8260B	ND	1.0	0.16	ug/L	1	
cis-1,2-Dichloroethene		156-59-2	8260B	ND	1.0	0.12	ug/L	1	
trans-1,2-Dichloroethene		156-60-5	8260B	ND	1.0	0.20	ug/L	1	
1,2-Dichloropropane		78-87-5	8260B	ND	1.0	0.19	ug/L	1	
cis-1,3-Dichloropropene		10061-01-5	8260B	ND	1.0	0.092	ug/L	1	
trans-1,3-Dichloropropene		10061-02-6	8260B	ND	1.0	0.10	ug/L	1	
Ethylbenzene		100-41-4	8260B	ND	1.0	0.33	ug/L	1	
2-Hexanone		591-78-6	8260B	ND	10	0.27	ug/L	1	
Methyl iodide (Iodomethane)		74-88-4	8260B	ND	5.0	1.2	ug/L	1	
4-Methyl-2-pentanone		108-10-1	8260B	ND	10	0.31	ug/L	1	
Methylene chloride		75-09-2	8260B	ND	1.0	0.33	ug/L	1	
Styrene		100-42-5	8260B	ND	1.0	0.12	ug/L	1	
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND	1.0	0.20	ug/L	1	
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND	1.0	0.16	ug/L	1	
Tetrachloroethene		127-18-4	8260B	ND	1.0	0.13	ug/L	1	
Toluene		108-88-3	8260B	ND	1.0	0.33	ug/L	1	
1,1,1-Trichloroethane		71-55-6	8260B	ND	1.0	0.074	ug/L	1	
1,1,2-Trichloroethane		79-00-5	8260B	ND	1.0	0.21	ug/L	1	
Trichloroethene		79-01-6	8260B	ND	1.0	0.18	ug/L	1	
Trichlorofluoromethane		75-69-4	8260B	ND	1.0	0.30	ug/L	1	
1,2,3-Trichloropropane		96-18-4	8260B	ND	1.0	0.33	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 06/03/2008 1230

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1039	DLB		80112

Parameter	CAS Number	Analytical		Result	Q	PQL	MDL	Units	Run
		Method							
Vinyl acetate	108-05-4	8260B		ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B		ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B		ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		92	70-130						
Bromofluorobenzene		93	70-130						
Toluene-d8		101	70-130						

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 06/03/2008 1230

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1516	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1744	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/12/2008 1746	KJC	06/12/2008 0940	80266

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.13		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.0037	J	0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-002

Description: MW-2

Matrix: Aqueous

Date Sampled: 06/03/2008 1300

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1101	Analyst DLB	Prep Date	Batch 80112			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1		8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1		8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2		8260B	0.65	J	1.0	0.13	ug/L	1
Bromochloromethane		74-97-5		8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4		8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2		8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9		8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3		8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0		8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5		8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7		8260B	5.0		1.0	0.33	ug/L	1
Chloroethane		75-00-3		8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3		8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3		8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1		8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3		8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6		8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1		8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7		8260B	3.3		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3		8260B	1.2		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2		8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4		8260B	2.2		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2		8260B	2.1		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5		8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5		8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5		8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6		8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4		8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6		8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4		8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1		8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2		8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5		8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6		8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4		8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3		8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6		8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5		8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6		8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4		8260B	ND		1.0	0.33	ug/L	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental	Laboratory ID: JF06051-002
Description: MW-2	Matrix: Aqueous
Date Sampled: 06/03/2008 1300	
Date Received: 06/06/2008	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	06/09/2008 1101	DLB		80112			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate		108-05-4		8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4		8260B	1.8		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7		8260B	ND		1.0	0.33	ug/L	1
Surrogate		Run 1 Q	% Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94		70-130						
Bromofluorobenzene		99		70-130						
Toluene-d8		104		70-130						

PQL = Practical quantitation limit

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-002

Description: MW-2

Matrix: Aqueous

Date Sampled: 06/03/2008 1300

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1517	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1751	MNM	06/09/2008 1007	80032
2	3005A	6010B	1	06/10/2008 1611	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	0.0061		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.39		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0028		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.010		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.025	B	0.0030	0.0019	mg/L	2
Mercury	7439-97-6	7470A	0.00022		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.00091	J	0.0050	0.00040	mg/L	1

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J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-003

Description: MW-2D

Matrix: Aqueous

Date Sampled: 06/03/2008 1345

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1122	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	1.8		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	1.1		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	1.3		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	0.28	J	1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	0.22	J	1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-003

Description: MW-2D

Matrix: Aqueous

Date Sampled: 06/03/2008 1345

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1122	DLB		80112

Parameter	CAS Number	Analytical		Result	Q	PQL	MDL	Units	Run
		Method							
Vinyl acetate	108-05-4	8260B		ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B		ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B		ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94	70-130						
Bromofluorobenzene		97	70-130						
Toluene-d8		104	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-003

Description: MW-2D

Matrix: Aqueous

Date Sampled: 06/03/2008 1345

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010B	1	06/10/2008 1615	MNM	06/09/2008 1007	80032
1		7470A	1	06/10/2008 1520	FLW	06/09/2008 1945	80094
2	3005A	6010B	1	06/11/2008 1243	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.019	J	0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0015	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.0063	B	0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental	Laboratory ID: JF06051-004
Description: MW-3	Matrix: Aqueous
Date Sampled: 06/03/2008 1415	
Date Received: 06/06/2008	

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1143	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-004

Description: MW-3

Matrix: Aqueous

Date Sampled: 06/03/2008 1415

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1143	DLB		80112

Parameter	CAS Number	Analytical Method		Result	Q	PQL	MDL	Units	Run
		Run 1	Acceptance Limits						
Vinyl acetate	108-05-4	8260B	ND	5.0	1.3	ug/L	1		
Vinyl chloride	75-01-4	8260B	ND	1.0	0.054	ug/L	1		
Xylenes (total)	1330-20-7	8260B	ND	1.0	0.33	ug/L	1		
Surrogate	Q	% Recovery							
1,2-Dichloroethane-d4	96		70-130						
Bromofluorobenzene	99		70-130						
Toluene-d8	104		70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-004

Description: MW-3

Matrix: Aqueous

Date Sampled: 06/03/2008 1415

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010B	1	06/10/2008 1618	MNM	06/09/2008 1007	80032
1		7470A	1	06/10/2008 1521	FLW	06/09/2008 1945	80094
2	3005A	6010B	1	06/11/2008 1250	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2048	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.11		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0011	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.0021	J	0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-005

Description: MW-4

Matrix: Aqueous

Date Sampled: 06/03/2008 1445

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1205	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	2.0		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	10		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	1.4	J	2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	1.4		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	14		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	0.14	J	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	0.15	J	1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-005

Description: MW-4

Matrix: Aqueous

Date Sampled: 06/03/2008 1445

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch				
1	5030B	8260B	1	06/09/2008 1205	DLB		80112				
Parameter				CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate				108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride				75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)				1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery		Acceptance Limits							
1,2-Dichloroethane-d4		97		70-130							
Bromofluorobenzene		98		70-130							
Toluene-d8		106		70-130							

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-005

Description: MW-4

Matrix: Aqueous

Date Sampled: 06/03/2008 1445

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010B	1	06/10/2008 1622	MNM	06/09/2008 1007	80032
1		7470A	1	06/10/2008 1522	FLW	06/09/2008 1945	80094
2	3005A	6010B	1	06/11/2008 1257	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.62		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0014	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.0051		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.010	B	0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.0071		0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-006

Description: MW-6

Matrix: Aqueous

Date Sampled: 06/03/2008 1630

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1226	Analyst DLB	Prep Date	Batch 80112			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1		8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1		8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2		8260B	6.2		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5		8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4		8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2		8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9		8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3		8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0		8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5		8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7		8260B	1.0		1.0	0.33	ug/L	1
Chloroethane		75-00-3		8260B	3.1		2.0	0.47	ug/L	1
Chloroform		67-66-3		8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3		8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1		8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3		8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6		8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1		8260B	0.71	J	1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7		8260B	20		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3		8260B	3.1		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2		8260B	1.6		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4		8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2		8260B	52		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5		8260B	0.35	J	1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5		8260B	0.28	J	1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5		8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6		8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4		8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6		8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4		8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1		8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2		8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5		8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6		8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4		8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3		8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6		8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5		8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6		8260B	1.7		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4		8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

DENR USE ONLY: Paper Report Electronic Data - Email CD (data loaded: Yes / No)

Doc/Event #:

NC DENR

Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NC DENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Buxton Environmental, Inc.; 1101 South Blvd., Suite 101; Charlotte, NC 28203

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Ross Klingman, P.G.

Phone: 704-344-1450

E-mail: buxtonenv@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Gaston Co. - Closed Cramerton Landfill	Cramerton Road	N/A	-	6/3/08

Environmental Status: (Check all that apply)

Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action

Type of data submitted: (Check all that apply)

Groundwater monitoring data from monitoring wells
 Groundwater monitoring data from private water supply wells
 Leachate monitoring data
 Surface water monitoring data

Methane gas monitoring data
 Corrective action data (specify) _____
 Other(specify) _____

Notification attached?

No. No groundwater or surface water standards were exceeded.
 Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
 Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Ross Klingman, P.G.

President

704-344-1450

Facility Representative Name (Print)

Title

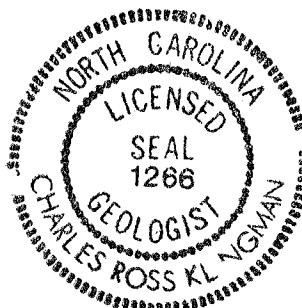
(Area Code) Telephone Number

Signature

10-27-08

Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:



Revised 01/2007

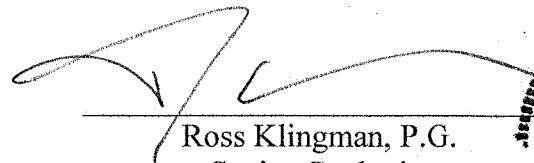
**FIRST SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA**

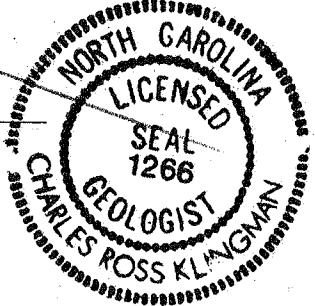
Prepared for:

Mr. Ray Maxwell, PE
Gaston County Public Works
P.O. Box 1578
Gastonia, North Carolina 28053

July 10, 2008

Prepared by:


Ross Klingman, P.G.
Senior Geologist


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1266
CHARLES ROSS KLINGMAN
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buxtonenv@bellsouth.net

FIRST SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

TABLE OF CONTENTS

1.0	<i>Introduction</i>	1
2.0	<i>Background Information</i>	2
3.0	<i>Groundwater and Surface Water Monitoring Activities</i>	3
4.0	<i>Groundwater Flow Direction</i>	4
5.0	<i>Groundwater and Surface Water Analytical Results</i>	5
6.0	<i>Conclusions</i>	6
7.0	<i>Recommendations</i>	7

LIST OF FIGURES

1. Site Location Map
2. Site Layout Map
3. Shallow Groundwater Flow
4. Groundwater Analytical Results

LIST OF TABLES

1. Groundwater Gauging Data
2. Field Parameter Data
3. Groundwater Analytical Results
4. Surface Water Analytical Results

APPENDICES

- A. Laboratory Data Sheets
- B. Historical Groundwater Analytical Results

FIRST SEMI-ANNUAL 2008
GROUNDWATER AND SURFACE WATER MONITORING EVENT
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

1.0 INTRODUCTION

Buxton Environmental, Inc. respectfully submits the methods and results of the first semi-annual 2008 groundwater and surface water monitoring activities conducted at the Gaston County Closed Cramerton Landfill located in Gaston County, North Carolina. The purpose for conducting the assessment was to monitor groundwater, surface water and hydrogeologic conditions at the subject site. A site location map and site layout map are provided in Figures 1 and 2, respectively.

The monitoring activities were conducted in general accordance with the North Carolina Department of Environment and Natural Resources, Division of Waste Management-Solid Waste Section (NCSWM) guidelines, and memorandums dated October 27, 2006, February 23, 2007 and October 16, 2007 concerning changes to laboratory detection limits and reporting requirements. A summary of background information, and the methods, results, conclusions and recommendations of this investigation are outlined below.

2.0 BACKGROUND INFORMATION

Based on review of aerial photographs and discussions with Gaston County personnel, the subject facility operated from approximately 1966 until it closed in 1984. The subject property consists of approximately 44 acres and contains a Colonial Pipeline (petroleum) easement across the central portion of the site. Two landfill areas, one located northwest of the pipeline and one located southeast of the pipeline, were filled during operation.

To comply with NCSWM guidelines, semi-annual groundwater monitoring was initiated in April 1997 at eight shallow monitor wells MW-1 through MW-8. The groundwater samples were analyzed for Appendix I volatile organic compounds (VOC's) and RCRA metals. Groundwater samples collected at the site during these activities indicated several VOC's and metals above the North Carolina Groundwater Protection Standards (NCGPS's).

Due to the presence of target constituents above the NCGPS's, the NCSWM requested that additional assessment be conducted to determine the extent of affected groundwater and the existence of surrounding water supply wells. According to a March 22, 2001 *Site Assessment Activities for Cramerton Closed Landfill* report prepared by Resolve Environmental Services, P.A., two deep monitor wells MW-2D and MW-6D and one shallow monitor well MW-7A were installed at the site. The three wells were installed immediately adjacent to monitor wells MW-2, MW-6 and MW-7, respectively. Groundwater sample MW-2D indicated the presence of 68 micrograms per liter (ug/l) lead, which is above the NCGPS. Groundwater sample MW-6D indicated the presence of 20 ug/l lead and 9 ug/l benzene, which are above the NCGPS's. Groundwater sample MW-7A indicated the presence of 22 ug/l lead and 6 ug/l 1,2-dichloroethane, which are above the NCGPS's. During the assessment, 34 water supply wells were identified within a 0.5 mile radius of the former landfill. According to the report, these water supply wells were either located upgradient of the landfill or were separated by a shallow groundwater divide.

In response to the March 2001 report, the NCSWM requested in a November 8, 2001 letter that additional assessment activities be conducted in the area of monitor well MW-6D and MW-7A to determine the extent of affected groundwater. Gaston County Public Works is currently evaluating the purchase of immediately adjacent property to serve as a buffer for affected groundwater detected at the site.

Gaston County recently purchased 2.44 acres of property on the eastern corner of the site located immediately adjacent to monitor well MW-7A.

3.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

On June 3, 2008, Buxton Environmental, Inc. conducted the first semi-annual 2008 groundwater and surface water monitoring event at the subject site. Groundwater monitoring activities were conducted at seven shallow monitor wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-7A and MW-8, and two deep monitor wells MW-2D and MW-6D. Due to recent drought conditions, monitor well MW-5 was dry and was unable to be sampled. Surface water samples Upstream and Downstream were also collected during these activities.

Prior to conducting the sampling activities, groundwater levels were obtained from each well with a depth-to-water electrode to the nearest 0.01 foot. Following the gauging activities, each well was purged of three well bore volumes of water with a disposable Teflon bailer attached to new nylon rope. Purge water was poured on the ground surface at respective well heads. Field parameters including pH, conductivity and temperature were collected following purging at each well and at each surface water sample location. Groundwater gauging and field parameter data are provided in Tables 1 and 2, respectively.

The groundwater and surface water samples were analyzed for Appendix I VOC's by EPA Method 8260B, and 8 RCRA metals by EPA Methods 6010B and 7470A. For quality control purposes, one trip blank and one equipment blank were analyzed for Appendix I VOC's. The trip blank was prepared by the laboratory and the de-ionized water utilized for the equipment blank was supplied by the laboratory. The laboratory analyses were conducted by Shealy Environmental Services, Inc. in West Columbia, South Carolina. The water samples were collected in general accordance with accepted protocol, including chain-of-custody documentation.

The monitor wells were locked and appeared to be in good condition during the sampling event.

4.0 GROUNDWATER FLOW DIRECTION

Based on groundwater levels obtained on June 3, 2008, shallow groundwater flow at the site is to the south, southwest, northwest and southeast. A shallow groundwater flow direction map is provided in Figure 3.

A horizontal hydraulic gradient of 0.04 feet per feet (ft/ft) was observed between shallow monitor wells MW-1 and MW-3. An upward vertical gradient of 0.04 ft/ft was observed at nested monitor wells MW-2 and MW-2D, and a downward gradient of 0.20 ft/ft was observed at nested monitor wells MW-6 and MW-6D. Upward vertical gradients are generally associated with groundwater discharge zones and downward gradients are generally associated with groundwater recharge zones.

5.0 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The groundwater and surface water analytical results for the first semi-annual 20078 event are presented in Tables 3 and 4, respectively, and are illustrated in Figure 4. Laboratory data sheets are presented in Appendix A. Historical groundwater analytical results are presented in Appendix B.

Groundwater samples collected at monitor wells MW-2, MW-4, MW-6, MW-6D, MW-7A and MW-8 indicated the presence of target constituents above the NCGPS's, which are summarized below. Groundwater sample MW-2 indicated the presence of 3.3 ug/l 1,4-dichlorobenzene, 1.8 ug/l vinyl chloride, 2.8 ug/l cadmium and 25B ug/l lead (B=detected in method blank). Groundwater sample MW-4 indicated the presence of 2 ug/l benzene and 14 ug/l 1,4-dichlorobenzene. Groundwater sample MW-6 indicated 6.2 ug/l benzene, 20 ug/l 1,4-dichlorobenzene, 1.6 ug/l 1,2-dichloroethane and 7 ug/l vinyl chloride. Groundwater sample MW-6D indicated 4.1 ug/l benzene, 6.6 ug/l 1,4-dichlorobenzene, 0.69J ug/l 1,2-dichloropropane (J=estimated result (<Solid Waste Section Limit (SWSL) or Practical Quantitation Limit (PQL) and >=Method Detection Limit (MDL)) and 3.4 ug/l vinyl chloride. Groundwater sample MW-7A indicated the presence of 1.3 ug/l benzene, 5.7 ug/l 1,4-dichlorobenzene and 0.29J ug/l vinyl chloride. Groundwater sample MW-8 indicated 2 ug/l cadmium. The remaining groundwater samples did not indicate target constituents above the NCGPS's.

The Upstream and Downstream surface water samples did not indicate target constituents above the NCGPS.

The trip and equipment blanks did not indicate the presence of VOC's above method detection limits.

6.0 CONCLUSIONS

On June 3, 2008, Buxton Environmental, Inc. conducted the first semi-annual 2008 groundwater monitoring activities at the Closed Cramerton Landfill located in Gaston County, North Carolina. A summary of the findings of this investigation is provided below.

- Shallow groundwater flow at the site is to the south, southwest, northwest and southeast.
- Groundwater samples collected at MW-2, MW-4, MW-6, MW-6D, MW-7A and MW-8 indicated target constituents above the NCGPS's.
- The Upstream and Downstream surface water samples did not indicate target constituents above the NCGPS's.

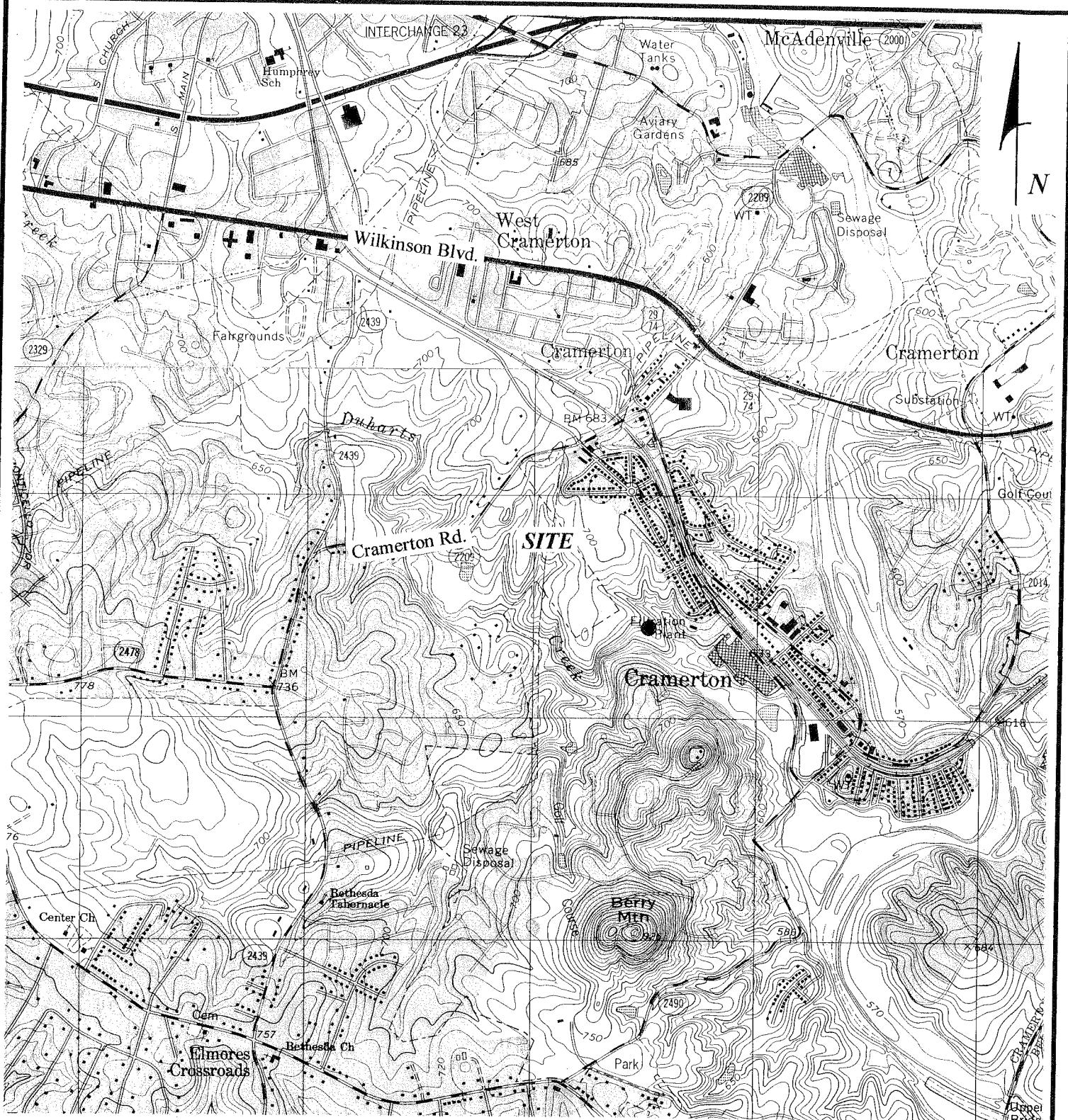
7.0 RECOMMENDATIONS

Based on the findings of this assessment, Buxton Environmental, Inc. makes the following recommendations.

- Semi-annual groundwater monitoring should continue to be conducted at the Closed Cramerton Landfill. The next sampling event is anticipated to be conducted in November 2008.
- A copy of this report should be forwarded to the NCSWM for their review.

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FIGURES



Scale

0 Feet 2,000

Source: United States Geological Survey, 1993 Mount Holly,
1997 Belmont, North and South Carolina Quadrangles

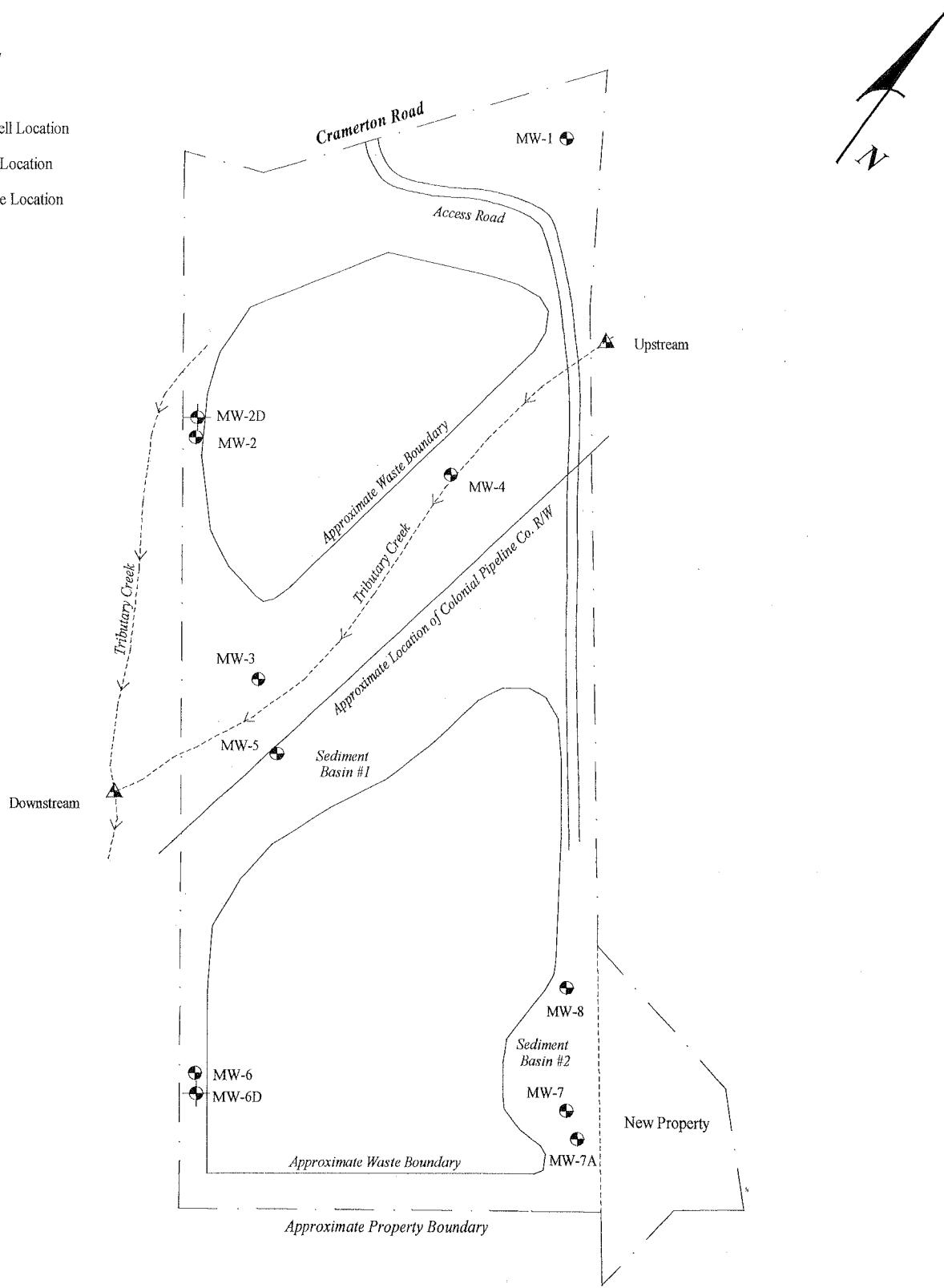
Gaston County
Closed Cramerton Landfill
Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 1.
Site Location Map

Legend

- Shallow Monitor Well Location
- Deep Monitor Well Location
- ▲ Surfacewater Sample Location



Source: Resolve Environmental Services,
P.A. Site Layout Map and Survey Plat
by Robinson & Sawyer, Inc.

Gaston County
Closed Cramerton Landfill
Gaston County, North Carolina

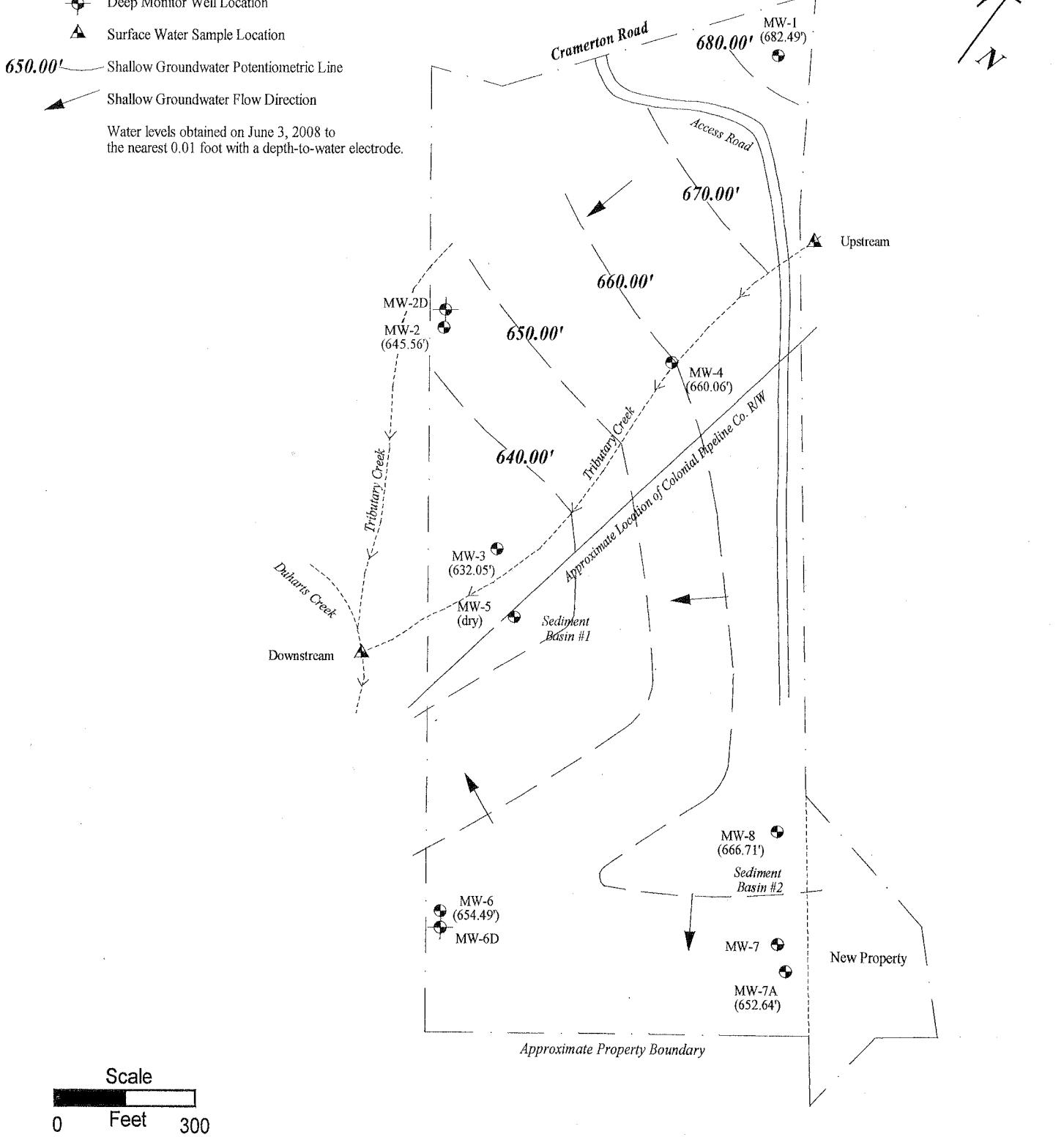
Buxton Environmental, Inc.

Figure 2.
Site Layout Map

Legend

- Shallow Monitor Well Location
- Deep Monitor Well Location
- ▲ Surface Water Sample Location
- 650.00' Shallow Groundwater Potentiometric Line
- Shallow Groundwater Flow Direction

Water levels obtained on June 3, 2008 to the nearest 0.01 foot with a depth-to-water electrode.



Gaston County
Closed Cramerton Landfill
Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 3.
Shallow Groundwater Flow
First Semi-Annual 2008

Legend

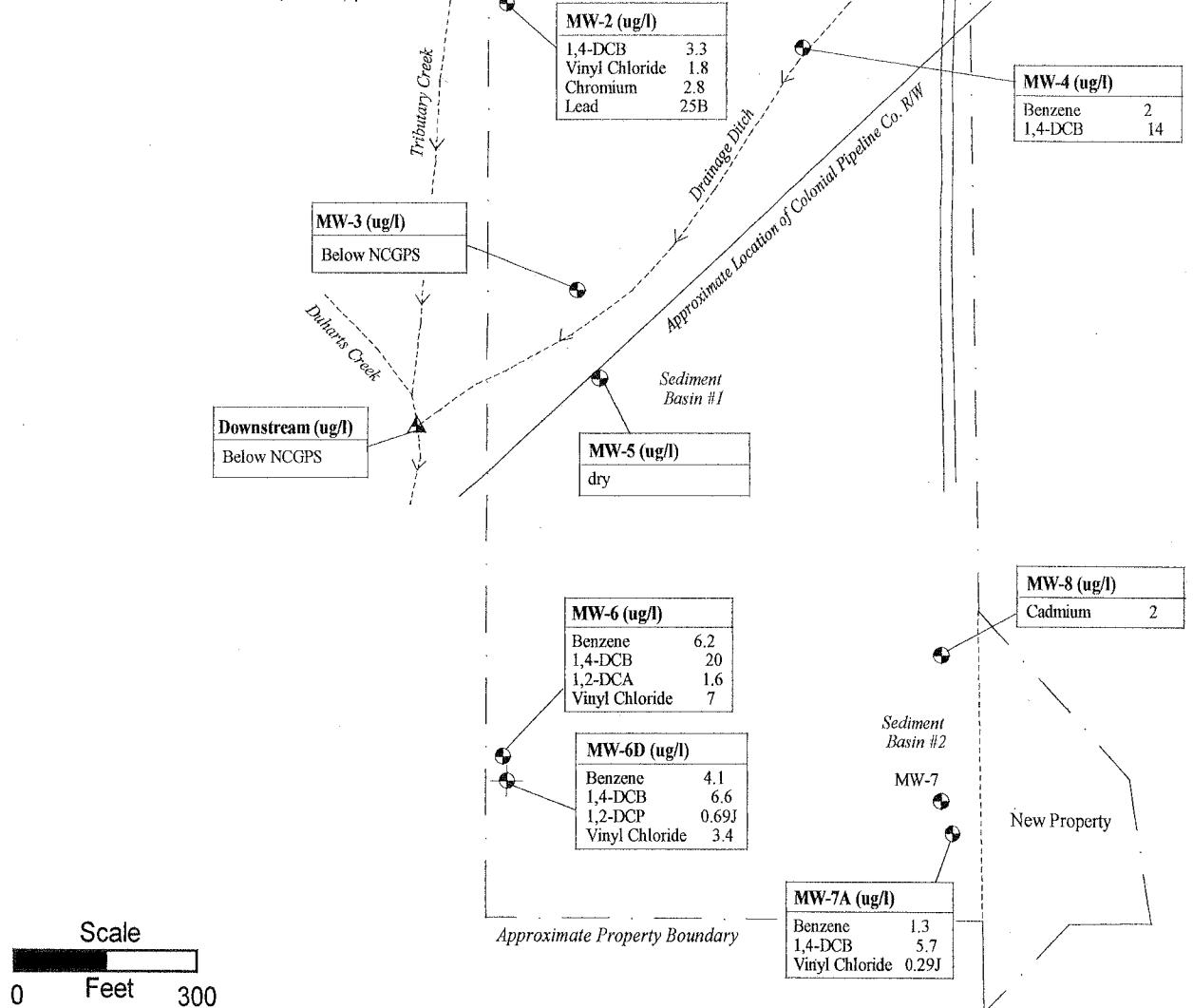
- Shallow Monitor Well Location
- Deep Monitor Well Location
- ▲ Surfacewater Sample Location

Groundwater and surface water samples collected June 3, 2008 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc. MW-5 was dry.

DCA = Dichloroethane
 DCB = Dichlorobenzene
 DCP = Dichloropropane
 TCE = Trichloroethene
 TCP = Trichloropropene

BDL = below detection limit
 ug/l = microgram per liter
 J = estimated result <PQL and >=MDL
 B = detected in method blank

Only constituents detected above North Carolina Groundwater Protection Standards (NCGPS) presented.



Scale

0 Feet 300

rk:sketch:crgw1107

Gaston County
 Closed Cramerton Landfill
 Gaston County, North Carolina

Buxton Environmental, Inc.

Figure 4.
 Groundwater Analytical Results
 First Semi-Annual 2008

TABLES

TABLE 1
GROUNDWATER GAUGING DATA
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 3, 2008

<i>Well ID</i>	<i>TD BTOC (ft)</i>	<i>TOC Elevation (ft)</i>	<i>DTW BTOC (ft)</i>	<i>DTW Elevation (ft)</i>
MW-1	23.90	702.23	19.74	682.49
MW-2	17.50	652.34	6.78	645.56
MW-2D	53.00	656.54	9.62	646.92
MW-3	15.50	643.73	11.68	632.05
MW-4	10.00	667.20	7.14	660.06
MW-5	11.70	646.88	dry	dry
MW-6	29.00	682.36	27.87	654.49
MW-6D	56.00	685.74	36.05	649.69
MW-7A	38.00	680.03	27.39	652.64
MW-8	26.00	671.01	4.30	666.71

Notes:

Depth to water measurements collected on June 3, 2008 to the nearest 0.01 foot
with a depth to water meter.

TD=total depth;BTOC=below top of casing;TOC=top of casing;DTW=depth to water;ft=feet

TABLE 2
FIELD PARAMETER DATA
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 3, 2008

Sample ID	Field Parameters		
	pH (standard units)	K (uS)	T (fahrenheit)
MW-1	7.7	90	68
MW-2	7.0	290	68
MW-2D	8.8	430	66
MW-3	6.3	390	62
MW-4	6.6	620	66
MW-5	dry	dry	dry
MW-6	6.8	680	69
MW-6D	7.0	590	69
MW-7A	6.8	470	68
MW-8	7.6	170	64
Upstream	7.7	130	68
Downstream	7.4	350	69

Notes:

Field parameters collected on June 3, 2008

SU = standard units

uS = mho's per second

K = conductivity; T = temperature

-- = no data, limited water

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 3, 2008

Sample ID	MW-1	MW-2	MW-2D	MW-3	MW-4	MW-5	MW-6	MW-6D	MW-7A	MW-8	NCGPS
Appendix I VOC's											
Benzene	BDL	0.65J	BDL	BDL	2	NT	6.2	4.1	1.3	BDL	1
Chlorobenzene	BDL	5	BDL	BDL	10	NT	1	0.77J	1.4	BDL	50
Chloroethane	BDL	BDL	BDL	BDL	1.4J	NT	3.1	BDL	1.2J	BDL	2,800
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	1.4	NT	0.71J	0.48J	BDL	BDL	24
1,4-Dichlorobenzene	BDL	3.3	BDL	BDL	14	NT	20	6.6	5.7	BDL	1.4
1,1-Dichloroethane	BDL	1.2	1.8	BDL	0.14J	NT	3.1	16	1.3	BDL	70
1,1-Dichloroethene	BDL	2.2	1.1	BDL	BDL	NT	BDL	0.32J	BDL	BDL	7
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	NT	1.6	BDL	BDL	BDL	0.38
cis-1,2 Dichloroethene	BDL	2.2	1.3	BDL	0.15J	NT	52	55	1.6	BDL	70
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	NT	0.35J	0.3J	BDL	BDL	100
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	NT	0.28J	0.69J	BDL	BDL	0.51
Tetrachloroethene	BDL	BDL	0.28J	BDL	BDL	NT	BDL	BDL	BDL	BDL	0.7
Toluene	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	0.33J	BDL	1,000
Trichloroethene	BDL	BDL	0.22J	BDL	BDL	NT	1.7	2.7	BDL	BDL	2.8
Xylenes	BDL	BDL	BDL	BDL	BDL	NT	0.95J	0.72J	BDL	BDL	530
Vinyl Chloride	BDL	1.8	BDL	BDL	BDL	NT	7	3.4	0.29J	BDL	0.015
RCRA Metals											
Arsenic	BDL	6.1	BDL	BDL	BDL	NT	BDL	BDL	32	BDL	50
Barium	130	390	19J	110	620	NT	1,200	150	430	47	2,000
Cadmium	BDL	2.8	1.5J	1.1J	1.4J	NT	1J	1.6J	0.85J	2	1.75
Chromium	3.7J	10	BDL	BDL	5.1	NT	BDL	BDL	BDL	BDL	50
Lead	BDL	25B	6.3B	BDL	10B	NT	BDL	BDL	BDL	BDL	15
Mercury	BDL	0.22	BDL	BDL	BDL	NT	BDL	BDL	BDL	BDL	1.05
Silver	BDL	BDL	BDL	2.1J	7.1	NT	4J	1.1J	BDL	BDL	17.5

Notes:

Groundwater samples were collected on June 3, 2008 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc. in W. Columbia, SC.

BDL = below detection limit; NS = no standard;

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

Bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

NT = not tested, limited water or dry well

rk:table:cramgw.608

TABLE 4
SURFACE WATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA
JUNE 3, 2008

<i>Sample ID</i>	<i>Upstream</i>	<i>Downstream</i>	<i>NCGPS</i>
<i>Appendix I VOC's</i>	BDL	BDL	NA
<i>RCRA Metals</i>			
Barium	46	78	2,000
Silver	BDL	0.8J	17.5

Notes:

Surface water samples collected June 3, 2008 and analyzed for Appendix I VOC's and RCRA Metals by Shealy Environmental Services, Inc. in W. Columbia, SC.
 BDL = below detection limit

NA = not applicable

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

data presented in micrograms per liter (ug/l)

J = estimated result <PQL and >=MDL

NT = not tested, dry

APPENDIX A
LABORATORY DATA SHEETS

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Buxton Environmental
PO Box 11550
Charlotte, NC 28220
Attention: Ross Klingman

Project Name: **Gaston Co Landfill - Cramerton**

Lot Number: **JF06051**
Date Completed: **06/13/2008**



Michael Casalena
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

Case Narrative Buxton Environmental Lot Number: JF06051

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary Buxton Environmental Lot Number: JF06051

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	06/03/2008 1230	06/06/2008
002	MW-2	Aqueous	06/03/2008 1300	06/06/2008
003	MW-2D	Aqueous	06/03/2008 1345	06/06/2008
004	MW-3	Aqueous	06/03/2008 1415	06/06/2008
005	MW-4	Aqueous	06/03/2008 1445	06/06/2008
006	MW-6	Aqueous	06/03/2008 1630	06/06/2008
007	MW-6D	Aqueous	06/03/2008 1700	06/06/2008
008	MW-7A	Aqueous	06/03/2008 1600	06/06/2008
009	MW-8	Aqueous	06/03/2008 1545	06/06/2008
010	UPSTREAM	Aqueous	06/03/2008 1200	06/06/2008
011	DOWNSTREAM	Aqueous	06/03/2008 1515	06/06/2008
012	TRIP BLANK	Aqueous	05/16/2008 1630	06/06/2008

(12 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary Buxton Environmental

Lot Number: JF06051

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Barium	6010B	0.13		mg/L	8
001	MW-1	Aqueous	Chromium	6010B	0.0037	J	mg/L	8
002	MW-2	Aqueous	Benzene	8260B	0.65	J	ug/L	9
002	MW-2	Aqueous	Chlorobenzene	8260B	5.0		ug/L	9
002	MW-2	Aqueous	1,4-Dichlorobenzene	8260B	3.3		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethane	8260B	1.2		ug/L	9
002	MW-2	Aqueous	1,1-Dichloroethene	8260B	2.2		ug/L	9
002	MW-2	Aqueous	cis-1,2-Dichloroethene	8260B	2.1		ug/L	9
002	MW-2	Aqueous	Vinyl chloride	8260B	1.8		ug/L	10
002	MW-2	Aqueous	Arsenic	6010B	0.0061		mg/L	11
002	MW-2	Aqueous	Barium	6010B	0.39		mg/L	11
002	MW-2	Aqueous	Cadmium	6010B	0.0028		mg/L	11
002	MW-2	Aqueous	Chromium	6010B	0.010		mg/L	11
002	MW-2	Aqueous	Lead	6010B	0.025	B	mg/L	11
002	MW-2	Aqueous	Mercury	7470A	0.00022		mg/L	11
002	MW-2	Aqueous	Silver	6010B	0.00091	J	mg/L	11
003	MW-2D	Aqueous	1,1-Dichloroethane	8260B	1.8		ug/L	12
003	MW-2D	Aqueous	1,1-Dichloroethene	8260B	1.1		ug/L	12
003	MW-2D	Aqueous	cis-1,2-Dichloroethene	8260B	1.3		ug/L	12
003	MW-2D	Aqueous	Tetrachloroethene	8260B	0.28	J	ug/L	12
003	MW-2D	Aqueous	Trichloroethene	8260B	0.22	J	ug/L	12
003	MW-2D	Aqueous	Barium	6010B	0.019	J	mg/L	14
003	MW-2D	Aqueous	Cadmium	6010B	0.0015	J	mg/L	14
003	MW-2D	Aqueous	Lead	6010B	0.0063	B	mg/L	14
004	MW-3	Aqueous	Barium	6010B	0.11		mg/L	17
004	MW-3	Aqueous	Cadmium	6010B	0.0011	J	mg/L	17
004	MW-3	Aqueous	Silver	6010B	0.0021	J	mg/L	17
005	MW-4	Aqueous	Benzene	8260B	2.0		ug/L	18
005	MW-4	Aqueous	Chlorobenzene	8260B	10		ug/L	18
005	MW-4	Aqueous	Chloroethane	8260B	1.4	J	ug/L	18
005	MW-4	Aqueous	1,2-Dichlorobenzene	8260B	1.4		ug/L	18
005	MW-4	Aqueous	1,4-Dichlorobenzene	8260B	14		ug/L	18
005	MW-4	Aqueous	1,1-Dichloroethane	8260B	0.14	J	ug/L	18
005	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	0.15	J	ug/L	18
005	MW-4	Aqueous	Barium	6010B	0.62		mg/L	20
005	MW-4	Aqueous	Cadmium	6010B	0.0014	J	mg/L	20
005	MW-4	Aqueous	Chromium	6010B	0.0051		mg/L	20
005	MW-4	Aqueous	Lead	6010B	0.010	B	mg/L	20
005	MW-4	Aqueous	Silver	6010B	0.0071		mg/L	20
006	MW-6	Aqueous	Benzene	8260B	6.2		ug/L	21
006	MW-6	Aqueous	Chlorobenzene	8260B	1.0		ug/L	21
006	MW-6	Aqueous	Chloroethane	8260B	3.1		ug/L	21
006	MW-6	Aqueous	1,2-Dichlorobenzene	8260B	0.71	J	ug/L	21
006	MW-6	Aqueous	1,4-Dichlorobenzene	8260B	20		ug/L	21
006	MW-6	Aqueous	1,1-Dichloroethane	8260B	3.1		ug/L	21

Executive Summary (Continued)

Lot Number: JF06051

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
006	MW-6	Aqueous	1,2-Dichloroethane	8260B	1.6		ug/L	21
006	MW-6	Aqueous	cis-1,2-Dichloroethene	8260B	52		ug/L	21
006	MW-6	Aqueous	trans-1,2-Dichloroethene	8260B	0.35	J	ug/L	21
006	MW-6	Aqueous	1,2-Dichloropropane	8260B	0.28	J	ug/L	21
006	MW-6	Aqueous	Trichloroethene	8260B	1.7		ug/L	21
006	MW-6	Aqueous	Vinyl chloride	8260B	7.0		ug/L	22
006	MW-6	Aqueous	Xylenes (total)	8260B	0.95	J	ug/L	22
006	MW-6	Aqueous	Barium	6010B	1.2		mg/L	23
006	MW-6	Aqueous	Cadmium	6010B	0.0010	J	mg/L	23
006	MW-6	Aqueous	Silver	6010B	0.0040	J	mg/L	23
007	MW-6D	Aqueous	Benzene	8260B	4.1		ug/L	24
007	MW-6D	Aqueous	Chlorobenzene	8260B	0.77	J	ug/L	24
007	MW-6D	Aqueous	1,2-Dichlorobenzene	8260B	0.48	J	ug/L	24
007	MW-6D	Aqueous	1,4-Dichlorobenzene	8260B	6.6		ug/L	24
007	MW-6D	Aqueous	1,1-Dichloroethane	8260B	16		ug/L	24
007	MW-6D	Aqueous	1,1-Dichloroethene	8260B	0.32	J	ug/L	24
007	MW-6D	Aqueous	cis-1,2-Dichloroethene	8260B	55		ug/L	24
007	MW-6D	Aqueous	trans-1,2-Dichloroethene	8260B	0.30	J	ug/L	24
007	MW-6D	Aqueous	1,2-Dichloropropane	8260B	0.69	J	ug/L	24
007	MW-6D	Aqueous	Trichloroethene	8260B	2.7		ug/L	24
007	MW-6D	Aqueous	Vinyl chloride	8260B	3.4		ug/L	25
007	MW-6D	Aqueous	Xylenes (total)	8260B	0.72	J	ug/L	25
007	MW-6D	Aqueous	Barium	6010B	0.15		mg/L	26
007	MW-6D	Aqueous	Cadmium	6010B	0.0016	J	mg/L	26
007	MW-6D	Aqueous	Silver	6010B	0.0011	J	mg/L	26
008	MW-7A	Aqueous	Benzene	8260B	1.3		ug/L	27
008	MW-7A	Aqueous	Chlorobenzene	8260B	1.4		ug/L	27
008	MW-7A	Aqueous	Chloroethane	8260B	1.2	J	ug/L	27
008	MW-7A	Aqueous	1,4-Dichlorobenzene	8260B	5.7		ug/L	27
008	MW-7A	Aqueous	1,1-Dichloroethane	8260B	1.3		ug/L	27
008	MW-7A	Aqueous	cis-1,2-Dichloroethene	8260B	1.6		ug/L	27
008	MW-7A	Aqueous	Toluene	8260B	0.33	J	ug/L	27
008	MW-7A	Aqueous	Vinyl chloride	8260B	0.29	J	ug/L	28
008	MW-7A	Aqueous	Arsenic	6010B	0.032		mg/L	29
008	MW-7A	Aqueous	Barium	6010B	0.43		mg/L	29
008	MW-7A	Aqueous	Cadmium	6010B	0.00085	J	mg/L	29
009	MW-8	Aqueous	Barium	6010B	0.047		mg/L	32
009	MW-8	Aqueous	Cadmium	6010B	0.0020		mg/L	32
010	UPSTREAM	Aqueous	Barium	6010B	0.046		mg/L	35
011	DOWNSTREAM	Aqueous	Barium	6010B	0.078		mg/L	38
011	DOWNSTREAM	Aqueous	Silver	6010B	0.00080	J	mg/L	38

(86 detections)

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 06/03/2008 1230

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1039	DLB		80112

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.16	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	0.12	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	0.20	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 06/03/2008 1230

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1039	DLB		80112

Parameter		CAS	Analytical Method	Result	Q	PQL	MDL	Units	Run
		Number							
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate		Run 1 Q % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		92	70-130						
Bromofluorobenzene		93	70-130						
Toluene-d8		101	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-001

Description: MW-1

Matrix: Aqueous

Date Sampled: 06/03/2008 1230

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1516	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1744	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/12/2008 1746	KJC	06/12/2008 0940	80266

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.13		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.0037	J	0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-002

Description: MW-2

Matrix: Aqueous

Date Sampled: 06/03/2008 1300

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1101	Analyst DLB	Prep Date	Batch 80112				
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run	
Acetone		67-64-1		8260B	ND		20	6.7	ug/L	1	
Acrylonitrile		107-13-1		8260B	ND		20	1.2	ug/L	1	
Benzene		71-43-2		8260B	0.65	J	1.0	0.13	ug/L	1	
Bromochloromethane		74-97-5		8260B	ND		1.0	0.16	ug/L	1	
Bromodichloromethane		75-27-4		8260B	ND		1.0	0.33	ug/L	1	
Bromoform		75-25-2		8260B	ND		1.0	0.66	ug/L	1	
Bromomethane (Methyl bromide)		74-83-9		8260B	ND		2.0	0.81	ug/L	1	
2-Butanone (MEK)		78-93-3		8260B	ND		10	2.0	ug/L	1	
Carbon disulfide		75-15-0		8260B	ND		1.0	0.097	ug/L	1	
Carbon tetrachloride		56-23-5		8260B	ND		1.0	0.14	ug/L	1	
Chlorobenzene		108-90-7		8260B	5.0		1.0	0.33	ug/L	1	
Chloroethane		75-00-3		8260B	ND		2.0	0.47	ug/L	1	
Chloroform		67-66-3		8260B	ND		1.0	0.33	ug/L	1	
Chloromethane (Methyl chloride)		74-87-3		8260B	ND		1.0	0.35	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND		1.0	0.60	ug/L	1	
Dibromochloromethane		124-48-1		8260B	ND		1.0	0.33	ug/L	1	
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND		1.0	0.30	ug/L	1	
Dibromomethane (Methylene bromide)		74-95-3		8260B	ND		1.0	0.35	ug/L	1	
trans-1,4-Dichloro-2-butene		110-57-6		8260B	ND		2.0	0.83	ug/L	1	
1,2-Dichlorobenzene		95-50-1		8260B	ND		1.0	0.33	ug/L	1	
1,4-Dichlorobenzene		106-46-7		8260B	3.3		1.0	0.33	ug/L	1	
1,1-Dichloroethane		75-34-3		8260B	1.2		1.0	0.13	ug/L	1	
1,2-Dichloroethane		107-06-2		8260B	ND		1.0	0.15	ug/L	1	
1,1-Dichloroethene		75-35-4		8260B	2.2		1.0	0.16	ug/L	1	
cis-1,2-Dichloroethene		156-59-2		8260B	2.1		1.0	0.12	ug/L	1	
trans-1,2-Dichloroethene		156-60-5		8260B	ND		1.0	0.20	ug/L	1	
1,2-Dichloropropane		78-87-5		8260B	ND		1.0	0.19	ug/L	1	
cis-1,3-Dichloropropene		10061-01-5		8260B	ND		1.0	0.092	ug/L	1	
trans-1,3-Dichloropropene		10061-02-6		8260B	ND		1.0	0.10	ug/L	1	
Ethylbenzene		100-41-4		8260B	ND		1.0	0.33	ug/L	1	
2-Hexanone		591-78-6		8260B	ND		10	0.27	ug/L	1	
Methyl iodide (Iodomethane)		74-88-4		8260B	ND		5.0	1.2	ug/L	1	
4-Methyl-2-pentanone		108-10-1		8260B	ND		10	0.31	ug/L	1	
Methylene chloride		75-09-2		8260B	ND		1.0	0.33	ug/L	1	
Styrene		100-42-5		8260B	ND		1.0	0.12	ug/L	1	
1,1,1,2-Tetrachloroethane		630-20-6		8260B	ND		1.0	0.20	ug/L	1	
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND		1.0	0.16	ug/L	1	
Tetrachloroethene		127-18-4		8260B	ND		1.0	0.13	ug/L	1	
Toluene		108-88-3		8260B	ND		1.0	0.33	ug/L	1	
1,1,1-Trichloroethane		71-55-6		8260B	ND		1.0	0.074	ug/L	1	
1,1,2-Trichloroethane		79-00-5		8260B	ND		1.0	0.21	ug/L	1	
Trichloroethene		79-01-6		8260B	ND		1.0	0.18	ug/L	1	
Trichlorofluoromethane		75-69-4		8260B	ND		1.0	0.30	ug/L	1	
1,2,3-Trichloropropane		96-18-4		8260B	ND		1.0	0.33	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-002

Description: MW-2

Matrix: Aqueous

Date Sampled: 06/03/2008 1300

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1101	DLB		80112

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4	94	70-130						
Bromofluorobenzene	99	70-130						
Toluene-d8	104	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-002

Description: MW-2

Matrix: Aqueous

Date Sampled: 06/03/2008 1300

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1517	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1751	MNM	06/09/2008 1007	80032
2	3005A	6010B	1	06/10/2008 1611	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	0.0061		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.39		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0028		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.010		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.025	B	0.0030	0.0019	mg/L	2
Mercury	7439-97-6	7470A	0.00022		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.00091	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-003

Description: MW-2D

Matrix: Aqueous

Date Sampled: 06/03/2008 1345

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1122	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	1.8		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	1.1		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	1.3		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	0.28	J	1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	0.22	J	1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-003

Description: MW-2D

Matrix: Aqueous

Date Sampled: 06/03/2008 1345

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1122	DLB		80112

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4	94	70-130						
Bromofluorobenzene	97	70-130						
Toluene-d8	104	70-130						

PQL = Practical quantitation limit

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E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-003

Description: MW-2D

Matrix: Aqueous

Date Sampled: 06/03/2008 1345

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010B	1	06/10/2008 1615	MNM	06/09/2008 1007	80032
1		7470A	1	06/10/2008 1520	FLW	06/09/2008 1945	80094
2	3005A	6010B	1	06/11/2008 1243	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.019	J	0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0015	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.0063	B	0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

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P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-004

Description: MW-3

Matrix: Aqueous

Date Sampled: 06/03/2008 1415

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
	1	5030B	8260B	1	06/09/2008 1143	DLB				
Acetone		67-64-1		8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1		8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2		8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5		8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4		8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2		8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9		8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3		8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0		8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5		8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7		8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3		8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3		8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3		8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1		8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3		8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6		8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1		8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7		8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3		8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2		8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4		8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2		8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5		8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5		8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5		8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6		8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4		8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6		8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4		8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1		8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2		8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5		8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6		8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4		8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3		8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6		8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5		8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6		8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4		8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

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E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-004

Description: MW-3

Matrix: Aqueous

Date Sampled: 06/03/2008 1415

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1143	DLB		80112

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		96	70-130					
Bromofluorobenzene		99	70-130					
Toluene-d8		104	70-130					

PQL = Practical quantitation limit

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-004

Description: MW-3

Matrix: Aqueous

Date Sampled: 06/03/2008 1415

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010B	1	06/10/2008 1618	MNM	06/09/2008 1007	80032
1		7470A	1	06/10/2008 1521	FLW	06/09/2008 1945	80094
2	3005A	6010B	1	06/11/2008 1250	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2048	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.11		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0011	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.0021	J	0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-005

Description: MW-4

Matrix: Aqueous

Date Sampled: 06/03/2008 1445

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	06/09/2008 1205	DLB		80112			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1		8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1		8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2		8260B	2.0		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5		8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4		8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2		8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9		8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3		8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0		8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5		8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7		8260B	10		1.0	0.33	ug/L	1
Chloroethane		75-00-3		8260B	1.4	J	2.0	0.47	ug/L	1
Chloroform		67-66-3		8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3		8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1		8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3		8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6		8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1		8260B	1.4		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7		8260B	14		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3		8260B	0.14	J	1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2		8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4		8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2		8260B	0.15	J	1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5		8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropene		78-87-5		8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5		8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6		8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4		8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6		8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4		8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1		8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2		8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5		8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6		8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4		8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3		8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6		8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5		8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6		8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4		8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-005

Description: MW-4

Matrix: Aqueous

Date Sampled: 06/03/2008 1445

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1205	DLB		80112

Parameter		CAS	Analytical Method	Result	Q	PQL	MDL	Units	Run
		Number							
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate		Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		97	70-130						
Bromofluorobenzene		98	70-130						
Toluene-d8		106	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-005

Description: MW-4

Matrix: Aqueous

Date Sampled: 06/03/2008 1445

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010B	1	06/10/2008 1622	MNM	06/09/2008 1007	80032
1		7470A	1	06/10/2008 1522	FLW	06/09/2008 1945	80094
2	3005A	6010B	1	06/11/2008 1257	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.62		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0014	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	0.0051		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	0.010	B	0.0030	0.0019	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.0071		0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-006

Description: MW-6

Matrix: Aqueous

Date Sampled: 06/03/2008 1630

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1226	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	6.2		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	1.0		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	3.1		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	0.71	J	1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	20		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	3.1		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	1.6		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	52		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	0.35	J	1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	0.28	J	1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	1.7		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-006

Description: MW-6

Matrix: Aqueous

Date Sampled: 06/03/2008 1630

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1226	DLB		80112

Parameter		CAS	Analytical Method	Result	Q	PQL	MDL	Units	Run
		Number							
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	7.0		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	0.95	J	1.0	0.33	ug/L	1
Surrogate		Run 1 Q % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Bromofluorobenzene		99	70-130						
Toluene-d8		106	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-006

Description: MW-6

Matrix: Aqueous

Date Sampled: 06/03/2008 1630

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010B	1	06/10/2008 1626	MNM	06/09/2008 1007	80032
1		7470A	1	06/10/2008 1523	FLW	06/09/2008 1945	80094
2	3005A	6010B	1	06/11/2008 1303	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/12/2008 1752	KJC	06/12/2008 0940	80266

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	1.2		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0010	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.0040	J	0.0050	0.00040	mg/L	2

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-007

Description: MW-6D

Matrix: Aqueous

Date Sampled: 06/03/2008 1700

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1248	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	4.1		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	0.77	J	1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	0.48	J	1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	6.6		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	16		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	0.32	J	1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	55		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	0.30	J	1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	0.69	J	1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	2.7		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-007

Description: MW-6D

Matrix: Aqueous

Date Sampled: 06/03/2008 1700

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1248	DLB		80112

Parameter	CAS Number	Analytical		Result	Q	PQL	MDL	Units	Run
		Method	Method						
Vinyl acetate	108-05-4	8260B	ND			5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	3.4			1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.72	J		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Bromofluorobenzene		100	70-130						
Toluene-d8		104	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-007

Description: MW-6D

Matrix: Aqueous

Date Sampled: 06/03/2008 1700

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1524	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1848	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/12/2008 1759	KJC	06/12/2008 0940	80266

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.15		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0016	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.0011	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-008

Description: MW-7A

Matrix: Aqueous

Date Sampled: 06/03/2008 1600

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260B	1	06/09/2008 1309	DLB		80112			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1		8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1		8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2		8260B	1.3		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5		8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4		8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2		8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9		8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3		8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0		8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5		8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7		8260B	1.4		1.0	0.33	ug/L	1
Chloroethane		75-00-3		8260B	1.2	J	2.0	0.47	ug/L	1
Chloroform		67-66-3		8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3		8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1		8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3		8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6		8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1		8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7		8260B	5.7		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3		8260B	1.3		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2		8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4		8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2		8260B	1.6		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5		8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5		8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5		8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6		8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4		8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6		8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4		8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1		8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2		8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5		8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6		8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4		8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3		8260B	0.33	J	1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6		8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5		8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6		8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4		8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-008

Description: MW-7A

Matrix: Aqueous

Date Sampled: 06/03/2008 1600

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1309	DLB		80112

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	0.29	J	1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4	94		70-130					
Bromofluorobenzene	97		70-130					
Toluene-d8	103		70-130					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-008

Description: MW-7A

Matrix: Aqueous

Date Sampled: 06/03/2008 1600

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1525	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1902	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/12/2008 1806	KJC	06/12/2008 0940	80266

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	0.032		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.43		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.00085	J	0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-009

Description: MW-8

Matrix: Aqueous

Date Sampled: 06/03/2008 1545

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1331	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-009

Description: MW-8

Matrix: Aqueous

Date Sampled: 06/03/2008 1545

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1331	DLB		80112

Parameter		CAS	Analytical		Q	PQL	MDL	Units	Run
		Number	Method	Result					
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		1.0	0.33	ug/L	1

Surrogate	Q	Run 1	Acceptance	
		% Recovery	Limits	
1,2-Dichloroethane-d4	92	70-130		
Bromofluorobenzene	95	70-130		
Toluene-d8	100	70-130		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-009

Description: MW-8

Matrix: Aqueous

Date Sampled: 06/03/2008 1545

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		7470A	1	06/10/2008 1526	FLW	06/09/2008 1945	80094		
1		3005A		6010B	1	06/09/2008 1909	MNM	06/09/2008 1007	80032
3		3005A		6010B	1	06/12/2008 1813	KJC	06/12/2008 0940	80266

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.047		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	0.0020		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-010

Description: UPSTREAM

Matrix: Aqueous

Date Sampled: 06/03/2008 1200

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1352	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND	20	6.7	ug/L	1	
Acrylonitrile		107-13-1	8260B	ND	20	1.2	ug/L	1	
Benzene		71-43-2	8260B	ND	1.0	0.13	ug/L	1	
Bromochloromethane		74-97-5	8260B	ND	1.0	0.16	ug/L	1	
Bromodichloromethane		75-27-4	8260B	ND	1.0	0.33	ug/L	1	
Bromoform		75-25-2	8260B	ND	1.0	0.66	ug/L	1	
Bromomethane (Methyl bromide)		74-83-9	8260B	ND	2.0	0.81	ug/L	1	
2-Butanone (MEK)		78-93-3	8260B	ND	10	2.0	ug/L	1	
Carbon disulfide		75-15-0	8260B	ND	1.0	0.097	ug/L	1	
Carbon tetrachloride		56-23-5	8260B	ND	1.0	0.14	ug/L	1	
Chlorobenzene		108-90-7	8260B	ND	1.0	0.33	ug/L	1	
Chloroethane		75-00-3	8260B	ND	2.0	0.47	ug/L	1	
Chloroform		67-66-3	8260B	ND	1.0	0.33	ug/L	1	
Chloromethane (Methyl chloride)		74-87-3	8260B	ND	1.0	0.35	ug/L	1	
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND	1.0	0.60	ug/L	1	
Dibromochloromethane		124-48-1	8260B	ND	1.0	0.33	ug/L	1	
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND	1.0	0.30	ug/L	1	
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND	1.0	0.35	ug/L	1	
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND	2.0	0.83	ug/L	1	
1,2-Dichlorobenzene		95-50-1	8260B	ND	1.0	0.33	ug/L	1	
1,4-Dichlorobenzene		106-46-7	8260B	ND	1.0	0.33	ug/L	1	
1,1-Dichloroethane		75-34-3	8260B	ND	1.0	0.13	ug/L	1	
1,2-Dichloroethane		107-06-2	8260B	ND	1.0	0.15	ug/L	1	
1,1-Dichloroethene		75-35-4	8260B	ND	1.0	0.16	ug/L	1	
cis-1,2-Dichloroethene		156-59-2	8260B	ND	1.0	0.12	ug/L	1	
trans-1,2-Dichloroethene		156-60-5	8260B	ND	1.0	0.20	ug/L	1	
1,2-Dichloropropane		78-87-5	8260B	ND	1.0	0.19	ug/L	1	
cis-1,3-Dichloropropene		10061-01-5	8260B	ND	1.0	0.092	ug/L	1	
trans-1,3-Dichloropropene		10061-02-6	8260B	ND	1.0	0.10	ug/L	1	
Ethylbenzene		100-41-4	8260B	ND	1.0	0.33	ug/L	1	
2-Hexanone		591-78-6	8260B	ND	10	0.27	ug/L	1	
Methyl iodide (Iodomethane)		74-88-4	8260B	ND	5.0	1.2	ug/L	1	
4-Methyl-2-pentanone		108-10-1	8260B	ND	10	0.31	ug/L	1	
Methylene chloride		75-09-2	8260B	ND	1.0	0.33	ug/L	1	
Styrene		100-42-5	8260B	ND	1.0	0.12	ug/L	1	
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND	1.0	0.20	ug/L	1	
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND	1.0	0.16	ug/L	1	
Tetrachloroethene		127-18-4	8260B	ND	1.0	0.13	ug/L	1	
Toluene		108-88-3	8260B	ND	1.0	0.33	ug/L	1	
1,1,1-Trichloroethane		71-55-6	8260B	ND	1.0	0.074	ug/L	1	
1,1,2-Trichloroethane		79-00-5	8260B	ND	1.0	0.21	ug/L	1	
Trichloroethene		79-01-6	8260B	ND	1.0	0.18	ug/L	1	
Trichlorofluoromethane		75-69-4	8260B	ND	1.0	0.30	ug/L	1	
1,2,3-Trichloropropane		96-18-4	8260B	ND	1.0	0.33	ug/L	1	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL.

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-010

Description: UPSTREAM

Matrix: Aqueous

Date Sampled: 06/03/2008 1200

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1352	DLB		80112

Parameter	Q	CAS	Analytical	Result	Q	PQL	MDL	Units	Run
		Number	Method						
Vinyl acetate		108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride		75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1	Acceptance	Limits	Q	PQL	MDL	Units	Run
		% Recovery							
1,2-Dichloroethane-d4		94		70-130					
Bromofluorobenzene		96		70-130					
Toluene-d8		102		70-130					

PQL = Practical quantitation limit

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E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-010

Description: UPSTREAM

Matrix: Aqueous

Date Sampled: 06/03/2008 1200

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	06/10/2008 1527	FLW	06/09/2008 1945	80094
1	3005A	6010B	1	06/09/2008 1915	MNM	06/09/2008 1007	80032
3	3005A	6010B	1	06/11/2008 2052	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.046		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-011

Description: DOWNSTREAM

Matrix: Aqueous

Date Sampled: 06/03/2008 1515

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1414	Analyst DLB	Prep Date	Batch 80112		
Parameter		CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4	8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2	8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6	8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6	8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-011

Description: DOWNSTREAM

Matrix: Aqueous

Date Sampled: 06/03/2008 1515

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1414	DLB		80112

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4	93		70-130					
Bromofluorobenzene	96		70-130					
Toluene-d8	104		70-130					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

RCRA Metals

Client: Buxton Environmental

Laboratory ID: JF06051-011

Description: DOWNSTREAM

Matrix: Aqueous

Date Sampled: 06/03/2008 1515

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1		7470A	1	06/10/2008 1528	FLW	06/09/2008 1945	80094		
1		3005A		6010B	1	06/09/2008 1922	MNM	06/09/2008 1007	80032
3		3005A		6010B	1	06/11/2008 2104	MNM	06/09/2008 1007	80032

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Arsenic	7440-38-2	6010B	ND		0.0050	0.0040	mg/L	1
Barium	7440-39-3	6010B	0.078		0.025	0.0075	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0020	0.00060	mg/L	1
Chromium	7440-47-3	6010B	ND		0.0050	0.0021	mg/L	1
Lead	7439-92-1	6010B	ND		0.0030	0.0019	mg/L	3
Mercury	7439-97-6	7470A	ND		0.00010	0.000053	mg/L	1
Selenium	7782-49-2	6010B	ND		0.0050	0.0026	mg/L	1
Silver	7440-22-4	6010B	0.00080	J	0.0050	0.00040	mg/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-012

Description: TRIP BLANK

Matrix: Aqueous

Date Sampled: 05/16/2008 1630

Date Received: 06/06/2008

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 06/09/2008 1435	Analyst DLB	Prep Date	Batch 80112			
Parameter		CAS Number		Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone		67-64-1		8260B	ND		20	6.7	ug/L	1
Acrylonitrile		107-13-1		8260B	ND		20	1.2	ug/L	1
Benzene		71-43-2		8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane		74-97-5		8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane		75-27-4		8260B	ND		1.0	0.33	ug/L	1
Bromoform		75-25-2		8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)		74-83-9		8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)		78-93-3		8260B	ND		10	2.0	ug/L	1
Carbon disulfide		75-15-0		8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride		56-23-5		8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene		108-90-7		8260B	ND		1.0	0.33	ug/L	1
Chloroethane		75-00-3		8260B	ND		2.0	0.47	ug/L	1
Chloroform		67-66-3		8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)		74-87-3		8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane		124-48-1		8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)		74-95-3		8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene		110-57-6		8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene		95-50-1		8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene		106-46-7		8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane		75-34-3		8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane		107-06-2		8260B	ND		1.0	0.15	ug/L	1
1,1-Dichloroethene		75-35-4		8260B	ND		1.0	0.16	ug/L	1
cis-1,2-Dichloroethene		156-59-2		8260B	ND		1.0	0.12	ug/L	1
trans-1,2-Dichloroethene		156-60-5		8260B	ND		1.0	0.20	ug/L	1
1,2-Dichloropropane		78-87-5		8260B	ND		1.0	0.19	ug/L	1
cis-1,3-Dichloropropene		10061-01-5		8260B	ND		1.0	0.092	ug/L	1
trans-1,3-Dichloropropene		10061-02-6		8260B	ND		1.0	0.10	ug/L	1
Ethylbenzene		100-41-4		8260B	ND		1.0	0.33	ug/L	1
2-Hexanone		591-78-6		8260B	ND		10	0.27	ug/L	1
Methyl iodide (Iodomethane)		74-88-4		8260B	ND		5.0	1.2	ug/L	1
4-Methyl-2-pentanone		108-10-1		8260B	ND		10	0.31	ug/L	1
Methylene chloride		75-09-2		8260B	ND		1.0	0.33	ug/L	1
Styrene		100-42-5		8260B	ND		1.0	0.12	ug/L	1
1,1,1,2-Tetrachloroethane		630-20-6		8260B	ND		1.0	0.20	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND		1.0	0.16	ug/L	1
Tetrachloroethene		127-18-4		8260B	ND		1.0	0.13	ug/L	1
Toluene		108-88-3		8260B	ND		1.0	0.33	ug/L	1
1,1,1-Trichloroethane		71-55-6		8260B	ND		1.0	0.074	ug/L	1
1,1,2-Trichloroethane		79-00-5		8260B	ND		1.0	0.21	ug/L	1
Trichloroethene		79-01-6		8260B	ND		1.0	0.18	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		1.0	0.30	ug/L	1
1,2,3-Trichloropropane		96-18-4		8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Laboratory ID: JF06051-012

Description: TRIP BLANK

Matrix: Aqueous

Date Sampled: 05/16/2008 1630

Date Received: 06/06/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/09/2008 1435	DLB		80112

Parameter	CAS Number	Analytical		Result	Q	PQL	MDL	Units	Run
		Method	Result						
Vinyl acetate	108-05-4	8260B	ND			5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND			1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND			1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		93	70-130						
Bromofluorobenzene		96	70-130						
Toluene-d8		103	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: JQ80112-001

Batch: 80112

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	6.7	ug/L	06/09/2008 1018
Acrylonitrile	ND		1	20	1.2	ug/L	06/09/2008 1018
Benzene	ND		1	1.0	0.13	ug/L	06/09/2008 1018
Bromochloromethane	ND		1	1.0	0.16	ug/L	06/09/2008 1018
Bromodichloromethane	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Bromoform	ND		1	1.0	0.66	ug/L	06/09/2008 1018
Bromomethane (Methyl bromide)	ND		1	2.0	0.81	ug/L	06/09/2008 1018
2-Butanone (MEK)	ND		1	10	2.0	ug/L	06/09/2008 1018
Carbon disulfide	ND		1	1.0	0.097	ug/L	06/09/2008 1018
Carbon tetrachloride	ND		1	1.0	0.14	ug/L	06/09/2008 1018
Chlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Chloroethane	ND		1	2.0	0.47	ug/L	06/09/2008 1018
Chloroform	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Chloromethane (Methyl chloride)	ND		1	1.0	0.35	ug/L	06/09/2008 1018
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	0.60	ug/L	06/09/2008 1018
Dibromochloromethane	ND		1	1.0	0.33	ug/L	06/09/2008 1018
1,2-Dibromoethane (EDB)	ND		1	1.0	0.30	ug/L	06/09/2008 1018
Dibromomethane (Methylene bromide)	ND		1	1.0	0.35	ug/L	06/09/2008 1018
trans-1,4-Dichloro-2-butene	ND		1	2.0	0.83	ug/L	06/09/2008 1018
1,4-Dichlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
1,2-Dichlorobenzene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
1,2-Dichloroethane	ND		1	1.0	0.15	ug/L	06/09/2008 1018
1,1-Dichloroethane	ND		1	1.0	0.13	ug/L	06/09/2008 1018
trans-1,2-Dichloroethene	ND		1	1.0	0.20	ug/L	06/09/2008 1018
cis-1,2-Dichloroethene	ND		1	1.0	0.12	ug/L	06/09/2008 1018
1,1-Dichloroethene	ND		1	1.0	0.16	ug/L	06/09/2008 1018
1,2-Dichloropropane	ND		1	1.0	0.19	ug/L	06/09/2008 1018
trans-1,3-Dichloropropene	ND		1	1.0	0.10	ug/L	06/09/2008 1018
cis-1,3-Dichloropropene	ND		1	1.0	0.092	ug/L	06/09/2008 1018
Ethylbenzene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
2-Hexanone	ND		1	10	0.27	ug/L	06/09/2008 1018
Methyl iodide (Iodomethane)	ND		1	5.0	1.2	ug/L	06/09/2008 1018
4-Methyl-2-pentanone	ND		1	10	0.31	ug/L	06/09/2008 1018
Methylene chloride	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Styrene	ND		1	1.0	0.12	ug/L	06/09/2008 1018
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.16	ug/L	06/09/2008 1018
1,1,1,2-Tetrachloroethane	ND		1	1.0	0.20	ug/L	06/09/2008 1018
Tetrachloroethene	ND		1	1.0	0.13	ug/L	06/09/2008 1018
Toluene	ND		1	1.0	0.33	ug/L	06/09/2008 1018
1,1,2-Trichloroethane	ND		1	1.0	0.21	ug/L	06/09/2008 1018
1,1,1-Trichloroethane	ND		1	1.0	0.074	ug/L	06/09/2008 1018
Trichloroethene	ND		1	1.0	0.18	ug/L	06/09/2008 1018
Trichlorofluoromethane	ND		1	1.0	0.30	ug/L	06/09/2008 1018
1,2,3-Trichloropropane	ND		1	1.0	0.33	ug/L	06/09/2008 1018

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: JQ80112-001

Batch: 80112

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Vinyl acetate	ND		1	5.0	1.3	ug/L	06/09/2008 1018
Vinyl chloride	ND		1	1.0	0.054	ug/L	06/09/2008 1018
Xylenes (total)	ND		1	1.0	0.33	ug/L	06/09/2008 1018
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene	98		70-130				
1,2-Dichloroethane-d4	94		70-130				
Toluene-d8	104		70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: JQ80112-002

Batch: 80112

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	93		1	93	46-153	06/09/2008 0913
Acrylonitrile	100	100		1	105	70-122	06/09/2008 0913
Benzene	50	50		1	100	72-127	06/09/2008 0913
Bromochloromethane	50	53		1	106	70-130	06/09/2008 0913
Bromodichloromethane	50	52		1	104	71-143	06/09/2008 0913
Bromoform	50	55		1	110	65-131	06/09/2008 0913
Bromomethane (Methyl bromide)	50	55		1	110	36-168	06/09/2008 0913
2-Butanone (MEK)	100	100		1	105	60-140	06/09/2008 0913
Carbon disulfide	50	55		1	110	60-140	06/09/2008 0913
Carbon tetrachloride	50	57		1	114	37-166	06/09/2008 0913
Chlorobenzene	50	50		1	101	78-129	06/09/2008 0913
Chloroethane	50	54		1	108	42-163	06/09/2008 0913
Chloroform	50	50		1	101	63-123	06/09/2008 0913
Chloromethane (Methyl chloride)	50	57		1	114	20-158	06/09/2008 0913
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	107	70-130	06/09/2008 0913
Dibromochloromethane	50	53		1	106	74-134	06/09/2008 0913
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	06/09/2008 0913
Dibromomethane (Methylene bromide)	50	51		1	102	70-130	06/09/2008 0913
trans-1,4-Dichloro-2-butene	50	54		1	107	70-130	06/09/2008 0913
1,4-Dichlorobenzene	50	50		1	100	70-130	06/09/2008 0913
1,2-Dichlorobenzene	50	50		1	100	70-130	06/09/2008 0913
1,2-Dichloroethane	50	51		1	102	59-143	06/09/2008 0913
1,1-Dichloroethane	50	52		1	104	69-132	06/09/2008 0913
trans-1,2-Dichloroethene	50	53		1	106	67-141	06/09/2008 0913
cis-1,2-Dichloroethene	50	52		1	103	70-130	06/09/2008 0913
1,1-Dichloroethene	50	53		1	106	50-132	06/09/2008 0913
1,2-Dichloropropane	50	50		1	100	71-126	06/09/2008 0913
trans-1,3-Dichloropropene	50	53		1	106	73-131	06/09/2008 0913
cis-1,3-Dichloropropene	50	54		1	108	69-130	06/09/2008 0913
Ethylbenzene	50	51		1	103	79-132	06/09/2008 0913
2-Hexanone	100	100		1	100	60-140	06/09/2008 0913
Methyl iodide (Iodomethane)	50	54		1	108	70-130	06/09/2008 0913
4-Methyl-2-pentanone	100	100		1	100	60-140	06/09/2008 0913
Methylene chloride	50	47		1	94	69-129	06/09/2008 0913
Styrene	50	53		1	106	70-130	06/09/2008 0913
1,1,2,2-Tetrachloroethane	50	51		1	103	60-155	06/09/2008 0913
1,1,1,2-Tetrachloroethane	50	52		1	104	70-130	06/09/2008 0913
Tetrachloroethene	50	53		1	106	74-128	06/09/2008 0913
Toluene	50	52		1	103	75-125	06/09/2008 0913
1,1,2-Trichloroethane	50	49		1	99	77-132	06/09/2008 0913
1,1,1-Trichloroethane	50	54		1	108	77-132	06/09/2008 0913
Trichloroethene	50	51		1	102	73-124	06/09/2008 0913
Trichlorofluoromethane	50	60		1	120	41-173	06/09/2008 0913
1,2,3-Trichloropropane	50	49		1	99	70-130	06/09/2008 0913

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: JQ80112-002

Batch: 80112

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl acetate	50	52		1	104	60-140	06/09/2008 0913
Vinyl chloride	50	58		1	117	29-159	06/09/2008 0913
Xylenes (total)	100	100		1	105	70-130	06/09/2008 0913
Surrogate	Q	% Rec			Acceptance Limit		
Bromofluorobenzene		102			70-130		
1,2-Dichloroethane-d4		100			70-130		
Toluene-d8		106			70-130		

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: JQ80112-003

Batch: 80112

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	97		1	97	3.6	46-153	20	06/09/2008 0935
Acrylonitrile	100	110		1	111	5.2	70-122	20	06/09/2008 0935
Benzene	50	55		1	109	8.8	72-127	20	06/09/2008 0935
Bromochloromethane	50	58		1	116	9.2	70-130	20	06/09/2008 0935
Bromodichloromethane	50	56		1	113	8.2	71-143	20	06/09/2008 0935
Bromoform	50	58		1	117	5.7	65-131	20	06/09/2008 0935
Bromomethane (Methyl bromide)	50	60		1	120	8.8	36-168	20	06/09/2008 0935
2-Butanone (MEK)	100	110		1	111	5.7	60-140	20	06/09/2008 0935
Carbon disulfide	50	59		1	118	6.8	60-140	20	06/09/2008 0935
Carbon tetrachloride	50	61		1	122	6.5	37-166	20	06/09/2008 0935
Chlorobenzene	50	54		1	108	7.3	78-129	20	06/09/2008 0935
Chloroethane	50	57		1	114	5.9	42-163	20	06/09/2008 0935
Chloroform	50	55		1	111	9.5	63-123	20	06/09/2008 0935
Chloromethane (Methyl chloride)	50	61		1	123	7.4	20-158	20	06/09/2008 0935
1,2-Dibromo-3-chloropropane (DBCP)	50	55		1	110	2.3	70-130	20	06/09/2008 0935
Dibromochloromethane	50	57		1	114	7.2	74-134	20	06/09/2008 0935
1,2-Dibromoethane (EDB)	50	55		1	109	8.1	70-130	20	06/09/2008 0935
Dibromomethane (Methylene bromide)	50	55		1	110	7.9	70-130	20	06/09/2008 0935
trans-1,4-Dichloro-2-butene	50	58		1	116	7.8	70-130	20	06/09/2008 0935
1,4-Dichlorobenzene	50	52		1	105	5.3	70-130	20	06/09/2008 0935
1,2-Dichlorobenzene	50	54		1	108	7.0	70-130	20	06/09/2008 0935
1,2-Dichloroethane	50	54		1	109	6.6	59-143	20	06/09/2008 0935
1,1-Dichloroethane	50	56		1	112	7.1	69-132	20	06/09/2008 0935
trans-1,2-Dichloroethene	50	57		1	115	8.2	67-141	20	06/09/2008 0935
cis-1,2-Dichloroethene	50	56		1	112	7.9	70-130	20	06/09/2008 0935
1,1-Dichloroethene	50	56		1	113	6.7	50-132	20	06/09/2008 0935
1,2-Dichloropropane	50	55		1	110	8.8	71-126	20	06/09/2008 0935
trans-1,3-Dichloropropene	50	58		1	115	8.3	73-131	20	06/09/2008 0935
cis-1,3-Dichloropropene	50	58		1	116	7.3	69-130	20	06/09/2008 0935
Ethylbenzene	50	56		1	112	8.9	79-132	20	06/09/2008 0935
2-Hexanone	100	100		1	104	4.7	60-140	20	06/09/2008 0935
Methyl iodide (Iodomethane)	50	58		1	116	7.1	70-130	20	06/09/2008 0935
4-Methyl-2-pentanone	100	100		1	106	5.9	60-140	20	06/09/2008 0935
Methylene chloride	50	51		1	102	8.1	69-129	20	06/09/2008 0935
Styrene	50	58		1	116	8.6	70-130	20	06/09/2008 0935
1,1,2,2-Tetrachloroethane	50	54		1	108	4.7	60-155	20	06/09/2008 0935
1,1,1,2-Tetrachloroethane	50	57		1	114	9.0	70-130	20	06/09/2008 0935
Tetrachloroethene	50	58		1	116	8.9	74-128	20	06/09/2008 0935
Toluene	50	56		1	113	8.8	75-125	20	06/09/2008 0935
1,1,2-Trichloroethane	50	53		1	106	7.1	77-132	20	06/09/2008 0935
1,1,1-Trichloroethane	50	58		1	116	7.8	77-132	20	06/09/2008 0935
Trichloroethene	50	55		1	110	8.3	73-124	20	06/09/2008 0935
Trichlorofluoromethane	50	64		1	127	5.6	41-173	20	06/09/2008 0935
1,2,3-Trichloropropane	50	54		1	107	8.0	70-130	20	06/09/2008 0935

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: JQ80112-003

Batch: 80112

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike		Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date	
	Amount (ug/L)										
Vinyl acetate	50		54		1	109	5.0	60-140	20	06/09/2008 0935	
Vinyl chloride	50		63		1	126	7.4	29-159	20	06/09/2008 0935	
Xylenes (total)	100		110		1	115	8.6	70-130	20	06/09/2008 0935	
Surrogate	Q	% Rec	Acceptance Limit								
Bromofluorobenzene		102	70-130								
1,2-Dichloroethane-d4		101	70-130								
Toluene-d8		107	70-130								

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: JQ80032-001

Batch: 80032

Analytical Method: 6010B

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 06/09/2008 1007

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.0050	0.0040	mg/L	06/09/2008 1723
Barium	ND		1	0.025	0.0075	mg/L	06/09/2008 1723
Cadmium	ND		1	0.0020	0.00060	mg/L	06/09/2008 1723
Chromium	ND		1	0.0050	0.0021	mg/L	06/09/2008 1723
Lead	0.0022	J	1	0.0030	0.0019	mg/L	06/10/2008 1555
Selenium	ND		1	0.0050	0.0026	mg/L	06/09/2008 1723
Silver	ND		1	0.0050	0.00040	mg/L	06/09/2008 1723

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: JQ80032-002

Batch: 80032

Analytical Method: 6010B

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 06/09/2008 1007

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.41		1	103	80-120	06/09/2008 1730
Barium	2.0	2.0		1	98	80-120	06/09/2008 1730
Cadmium	0.40	0.40		1	99	80-120	06/09/2008 1730
Chromium	2.0	2.0		1	100	80-120	06/09/2008 1730
Lead	0.40	0.39		1	97	80-120	06/10/2008 1559
Selenium	0.40	0.38		1	95	80-120	06/09/2008 1730
Silver	0.40	0.41		1	103	80-120	06/09/2008 1730

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: JQ80032-003

Batch: 80032

Analytical Method: 6010B

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 06/09/2008 1007

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	0.40	0.40		1	101	1.9	80-120	20	06/09/2008 1737
Barium	2.0	1.9		1	95	3.3	80-120	20	06/09/2008 1737
Cadmium	0.40	0.38		1	96	2.9	80-120	20	06/09/2008 1737
Chromium	2.0	1.9		1	97	3.0	80-120	20	06/09/2008 1737
Lead	0.40	0.40		1	100	2.1	80-120	20	06/10/2008 1603
Selenium	0.40	0.37		1	93	2.2	80-120	20	06/09/2008 1737
Silver	0.40	0.40		1	100	2.6	80-120	20	06/09/2008 1737

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Page: 50 of 59

Level 1 Report v2.1

RCRA Metals - MS

Sample ID: JF06051-006MS

Batch: 80032

Analytical Method: 6010B

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 06/09/2008 1007

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	ND	0.40	0.44	1	110	75-125	06/10/2008 1631	
Barium	1.2	2.0	3.2	1	102	75-125	06/10/2008 1631	
Cadmium	0.0010	0.40	0.40	1	100	75-125	06/10/2008 1631	
Chromium	ND	2.0	1.9	1	95	75-125	06/10/2008 1631	
Lead	ND	0.40	0.42	1	104	75-125	06/10/2008 1631	
Selenium	ND	0.40	0.44	1	111	75-125	06/10/2008 1631	
Silver	0.0040	0.40	0.40	1	99	75-125	06/11/2008 1310	

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MSD

Sample ID: JF06051-006MD

Batch: 80032

Analytical Method: 6010B

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 06/09/2008 1007

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Arsenic	ND	0.40	0.44	1	109	0.47	75-125	20	06/10/2008 1643	
Barium	1.2	2.0	3.2	1	103	0.17	75-125	20	06/10/2008 1643	
Cadmium	0.0010	0.40	0.40	1	100	0.65	75-125	20	06/10/2008 1643	
Chromium	ND	2.0	1.9	1	97	1.6	75-125	20	06/10/2008 1643	
Lead	ND	0.40	0.42	1	104	0.46	75-125	20	06/10/2008 1643	
Selenium	ND	0.40	0.44	1	110	0.31	75-125	20	06/10/2008 1643	
Silver	0.0040	0.40	0.40	1	99	0.64	75-125	20	06/11/2008 1317	

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W".

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MS

Sample ID: JF06051-007MS

Batch: 80032

Analytical Method: 6010B

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 06/09/2008 1007

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	ND	0.40	0.40	1	1	100	75-125	06/09/2008 1855
Barium	0.15	2.0	2.2	1	1	100	75-125	06/09/2008 1855
Cadmium	0.0016	0.40	0.36	1	1	91	75-125	06/09/2008 1855
Chromium	ND	2.0	1.9	1	1	96	75-125	06/09/2008 1855
Lead	ND	0.40	0.42	1	1	104	75-125	06/10/2008 1855
Selenium	ND	0.40	0.36	1	1	90	75-125	06/09/2008 1855
Silver	0.0011	0.40	0.42	1	1	104	75-125	06/09/2008 1855

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - MB

Sample ID: JQ80266-001

Batch: 80266

Analytical Method: 6010B

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 06/12/2008 940

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Lead	ND		1	0.0030	0.0019	mg/L	06/12/2008 1725

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: JQ80266-002

Batch: 80266

Analytical Method: 6010B

Matrix: Aqueous

Prep Method: 3005A

Prep Date: 06/12/2008 940

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Lead	0.40	0.43		1	107	80-120	06/12/2008 1732

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: JQ80266-003

Matrix: Aqueous

Batch: 80266

Prep Method: 3005A

Analytical Method: 6010B

Prep Date: 06/12/2008 940

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Lead	0.40	0.42		1	104	2.0	80-120	20	06/12/2008 1739

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Page: 56 of 59
Level 1 Report v2.1

RCRA Metals - MB

Sample ID: JQ80094-001

Batch: 80094

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 06/09/2008 1945

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Mercury	ND		1	0.00010	0.000053	mg/L	06/10/2008 1507

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCS

Sample ID: JQ80094-002

Batch: 80094

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 06/09/2008 1945

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0020		1	98	85-115	06/10/2008 1508

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

RCRA Metals - LCSD

Sample ID: JQ80094-003

Batch: 80094

Analytical Method: 7470A

Matrix: Aqueous

Prep Method: 7470A

Prep Date: 06/09/2008 1945

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	95	3.5	85-115	20	06/10/2008 1509

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results



Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.

Telephone No.: (803) 791-9700 Fax No.: (803) 796-2696
West Columbia South Carolina 29169
106 Venagie Point Drive

SHEALY ENVIRONMENTAL SERVICES, INC.

Number 89849

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Level 1 Report v2.1

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-ACD-016
Revision Number: 6

Page 1 of 1
Replaces Date: 09/22/06
Effective Date: 05/29/07

Sample Receipt Checklist (SRC)

Client: Buxton Env.

Cooler Inspected by/date: SAM: 6/6/08 Lot #: JF06051

Means of receipt: <input checked="" type="checkbox"/> SESI <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Airborne Exp <input type="checkbox"/> Other		
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
1. Were custody seals present on the cooler?		
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
2. If custody seals were present, were they intact and unbroken?		
Cooler ID/temperature upon receipt: <u>261</u> <u> </u> °C / <u> </u> °C / <u> </u> °C / <u> </u> °C <u> </u> °C / <u> </u> °C / <u> </u> °C / <u> </u> °C		
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles		
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> Dry Ice <input type="checkbox"/> None		
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
4. Is the commercial courier's packing slip attached to this form?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
5. Were proper custody procedures (relinquished/received) followed?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
6. Were sample IDs listed?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
7. Was collection date & time listed?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
8. Were tests to be performed listed on the COC or was quote # provided?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
9. Did all samples arrive in the proper containers for each test?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
10. Did all container label information (ID, date, time) agree with COC?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
11. Did all containers arrive in good condition (unbroken, lids on, etc.)?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
12. Was adequate sample volume available?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
13. Were all samples received within ½ the holding time or 48 hours, whichever comes first?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
14. Were any samples containers missing?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
15. Were there any excess samples not listed on COC?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
16. Were bubbles present >"pea-size" (½" or 6mm in diameter) in any VOA vials?		
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
17. Were all metals/O&G/HFM/nutrient samples received at a pH of <2?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
18. Were all cyanide and/or sulfide samples received at a pH >12?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
20. Were collection temperatures documented on the COC for NC samples?		
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)		
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____		
Sample(s) _____ were received with bubbles >6 mm in diameter.		
Sample(s) _____ were received with TRC >0.2 mg/L for NH3/TKN/cyanide/BNA/pest/PCB/herb.		
Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.		

Corrective Action taken, if necessary:

Was client notified: Yes No

Did client respond: Yes No

SESI employee: _____

Date of response: _____

Comments: _____

*Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Description: EQUIPMENT BLANK

Laboratory ID: JF03053-023

Date Sampled: 06/02/2008 1530

Matrix: Aqueous

Date Received: 06/03/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/05/2008 2209	DLB		79932

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	6.7	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	1.2	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	0.13	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	0.16	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	0.33	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	0.66	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	0.81	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	2.0	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	0.097	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	0.14	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	0.33	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	0.47	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	0.33	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	0.35	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	0.60	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	0.33	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	0.30	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	0.35	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	0.83	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	0.33	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	0.33	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	0.13	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	0.15	ug/L	1
cis-1,2-Dichloroethene	75-35-4	8260B	ND		1.0	0.16	ug/L	1
trans-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	0.12	ug/L	1
1,2-Dichloropropane	156-60-5	8260B	ND		1.0	0.20	ug/L	1
cis-1,3-Dichloropropene	78-87-5	8260B	ND		1.0	0.19	ug/L	1
trans-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	0.092	ug/L	1
Ethylbenzene	10061-02-6	8260B	ND		1.0	0.10	ug/L	1
2-Hexanone	100-41-4	8260B	ND		1.0	0.33	ug/L	1
Methyl iodide (Iodomethane)	591-78-6	8260B	ND		10	0.27	ug/L	1
4-Methyl-2-pentanone	74-88-4	8260B	ND		5.0	1.2	ug/L	1
Methylene chloride	108-10-1	8260B	ND		10	0.31	ug/L	1
Styrene	75-09-2	8260B	ND		1.0	0.33	ug/L	1
1,1,1,2-Tetrachloroethane	100-42-5	8260B	ND		1.0	0.12	ug/L	1
1,1,2,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	0.20	ug/L	1
Tetrachloroethene	79-34-5	8260B	ND		1.0	0.16	ug/L	1
Toluene	127-18-4	8260B	ND		1.0	0.13	ug/L	1
1,1,1-Trichloroethane	108-88-3	8260B	ND		1.0	0.33	ug/L	1
1,1,2-Trichloroethane	71-55-6	8260B	ND		1.0	0.074	ug/L	1
Trichloroethene	79-00-5	8260B	ND		1.0	0.21	ug/L	1
Trichlorofluoromethane	79-01-6	8260B	ND		1.0	0.18	ug/L	1
1,2,3-Trichloropropane	75-69-4	8260B	ND		1.0	0.30	ug/L	1
	96-18-4	8260B	ND		1.0	0.33	ug/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and \geq MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

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Volatile Organic Compounds by GC/MS

Client: Buxton Environmental

Description: EQUIPMENT BLANK

Date Sampled: 06/02/2008 1530

Laboratory ID: JF03053-023

Matrix: Aqueous

Date Received: 06/03/2008

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	06/05/2008 2209	DLB		79932

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.0	1.3	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	0.054	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	0.33	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		112	70-130					
Bromofluorobenzene		111	70-130					
Toluene-d8		113	70-130					

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

APPENDIX B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

MW-1

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS	
<i>Appendix I VOC's</i>																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
<i>RCRA Metals</i>																									
Barium	460	770	680	1,100	530	1,200	BDL	BDL	126	93	40	66	240	110	110	220	290	130	470	32	70	130	2,000		
Cadmium	BDL	BDL	BDL	1.1	2	5	3	2	BDL	BDL	BDL	BDL	1.75												
Chromium	BDL	18	8	26	BDL	21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.8	BDL	16	16	3.6J	3.7J	50
Lead	7	24	28	21	13	23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15
Mercury	0.31	0.3	BDL	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

NA = not applicable

bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS	
Appendix I VOC's																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chlorobenzene	BDL	5.1	5.2	BDL	7	8	7	6	7.8	6.8	6.2	8.4	7.5	2.2	4.2	5	3.4	4	4.1	BDL	4.9	5	5	50	
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2-Dichlorobenzene	BDL	5.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,4-Dichlorobenzene	5	BDL	5.4	BDL	6	7	BDL	BDL	4.1	3.6	4.9	BDL	BDL	3.6	2.8	3.5	3.7	BDL	3.4	3.4	3.4	3.4	3.4	3.4	1.4
1,1-Dichloroethane	6.8	5	BDL	BDL	6	8	BDL	5	5.2	3.5	2.8	2.7	1.8	BDL	2.4	2.3	1.9	2	1.7	1.7	1.8	2	1.2	70	
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	7	BDL	BDL	3.4	2.7	3.2	2.8	2.5	3.6	3	2.2	3.6	2.8	3	2.8	3	2.2	7		
cis-1,2-Dichloroethene	11	8.8	BDL	6.6	7	11	BDL	7	5.6	3.9	3.2	3.2	2.9	1	1	3.7	3	BDL	2.8	2.3	2.6	2.3	2.2	70	
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	11	12	BDL	BDL	5	5	4.3	3.6	BDL	4.1	2.9	2.5	3.9	2	2.7	2.2	1.8	1.8	0.015	
RCRA Metals																									
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Barium	420	520	300	490	BDL	BDL	BDL	BDL	175	262	180	200	260	300	640	220	300	370	230	220	420	390	2,000		
Cadmium	BDL	BDL	BDL	BDL	BDL	3	5	2	BDL	BDL	BDL	BDL	BDL	1.4	BDL	6.1	BDL	2.1	1.71	2.8	1.75				
Chromium	BDL	11	2	2.9	BDL	12	BDL	BDL	9	BDL	BDL	BDL	7.4	14	BDL	6.5	11	BDL	3.71	14	10	50			
Lead	7	32	18	19	BDL	23	BDL	BDL	7	5.7	BDL	7.1	14	34	4.8	9.9	16	BDL	2.2J	12	25B	15			
Mercury	BDL	0.4	BDL	BDL	BDL	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.13	0.11	0.12	BDL	0.22	BDL	0.11	0.21	0.22	1.05		
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
 BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result < PQL and >=MDL

irktable.cramhistgw.mw2

MW-2D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS
Appendix I VOC's																	
Acetone	BDL	94	29.9	BDL	BDL	BDL	6.1J	BDL	BDL								
Carbon Disulfide	BDL	BDL	BDL	2.8	BDL	BDL	0.73J	BDL	BDL								
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36J	BDL	BDL
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.26J	0.32J	BDL
1,1-Dichloroethane	BDL	BDL	2.7	3.4	2.6	BDL	2.6	3.2	3	2.7	2.7	2.8	2.8	2.2	3.4	1.8	70
1,1-Dichloroethene	BDL	BDL	BDL	1.1	1.5	BDL	1.1	1.3	1.1	1.5	1.3	1.3	1.7	1.2	1.4	1.1	7
cis-1,2-Dichloroethene	BDL	BDL	BDL	1.7	1.7	BDL	1.8	2	1.9	BDL	1.8	1.9	1.9	1.6	2	1.3	70
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.23J	0.58BJ	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38J	0.45J	0.28J
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.24J	0.3J	0.22J
RCRA Metals																	
Arsenic	BDL	BDL	13	11	BDL	BDL	7.7	BDL	7.1	BDL	BDL	BDL	BDL	BDL	4.7J	BDL	BDL
Barium	BDL	BDL	86	96	38	49	43	55	29	26	BDL	BDL	27	14J	30	19J	2,000
Cadmium	2	3	BDL	BDL	BDL	BDL	BDL	BDL	1.1	1	BDL	BDL	1.6	BDL	BDL	1.5J	1.75
Chromium	BDL	BDL	13	15	BDL	5.1	5.2	6.2	BDL	BDL	BDL	BDL	BDL	BDL	3.7J	BDL	50
Lead	BDL	BDL	19	24	16	10	8.7	14	9.5	4.5	5.4	BDL	4.8	BDL	4.3	6.3B	15

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

rk:table:cramhistgw.mw2D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS	
Appendix I VOC's																									
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chlorobenzene	BDL	8.4	BDL	9.7	BDL	11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.6	1.4	3.5	BDL	3	BDL	3.4	BDL
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2,3-Trichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
RCRA Metals																									
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Barium	230	1,200	280	2,200	BDL	1,200	BDL	BDL	BDL	263	177	140	120	190	130	240	170	570	260	100	140	NT	110	2,000	
Cadmium	BDL	BDL	BDL	BDL	1	5	2	1	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	1.3	BDL	1.2	1.4J	NT	1.1J
Chromium	BDL	61	9	42	BDL	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	9	BDL	29	8.3	6.6	2.4J
Lead	BDL	26	13	18	BDL	21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.4	BDL	6.1	BDL	BDL	BDL	BDL	50
Mercury	BDL	0.3	BDL	0.32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.
 BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS
Appendix I VOC's																								
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL									
Benzene	BDL	BDL	BDL	1	BDL	1.9	1.8	1.6	1.3	1.8	1.4	1.4	1.8	1	2									
Carbon Disulfide	11	BDL	BDL	BDL	7.7	BDL	BDL	BDL																
Chlorobenzene	BDL	BDL	BDL	BDL	7	9	BDL	BDL	6.9	5.7	6.1	3.2	4.3	3.8	7	8.5	7	9	10	10	12	8.1	10	50
Chloroethane	BDL	BDL	BDL	3.3	4	BDL	BDL	3	2	BDL	BDL	2.1	BDL	BDL	0.96J									
1,2-Dichlorobenzene	BDL	BDL	BDL	1	BDL	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2,800									
1,4-Dichlorobenzene	11	12	6.6	13	21	9	7	19	14.3	15.8	8.4	11	11	13	13	11	13	13	11	14	9.7	14	14	1.4
1,1-Dichloroethane	BDL	BDL	BDL	11	BDL	BDL	0.25J																	
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.14J									
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL									
Xylenes	BDL	BDL	BDL	1.9	BDL	BDL	BDL																	
RCRA Metals																								
Barium	690	830	590	850	BDL	530	BDL	BDL	665	652	340	400	660	420	840	780	890	640	700	94	690	620	2,000	
Cadmium	11	1	BDL	BDL	1	3	8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.9	3	1.6	1.6	2	1.4J	1.75
Chromium	11	35	31	26	16	13	BDL	BDL	6	9	5	BDL	8.7	BDL	BDL	29	12	BDL	37	2.6J	5.1	50		
Lead	14	30	34	16	BDL	BDL	BDL	BDL	BDL	9.6	BDL	BDL	4	8	BDL	BDL	15	BDL	10B	15				
Mercury	BDL	0.4	BDL	3.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Selenium	BDL	9	18	7.4	BDL	6.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50								
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6BJ	BDL	7.1	17.5										

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGQS
data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-5

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS
Appendix I VOC's																								
Acetone	BDL	NT	BDL	NT	BDL	NT	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	2.9J	NT
Carbon Disulfide	BDL	NT	BDL	NT	BDL	NT	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL	0.097J	NT
RCRA Metals																								
Arsenic	BDL	NT	BDL	NT	BDL	NT	BDL	NT	NT	NT	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	14	BDL	BDL	NT
Barium	220	NT	320	NT	BDL	NT	BDL	NT	NT	NT	42	220	610	32	25	220	NT	3,500	32	1,800	NT	NT	NT	50
Cadmium	BDL	NT	BDL	NT	1	NT	2	NT	NT	NT	BDL	BDL	BDL	1.8	NT	3.8	BDL	8.9	NT	NT	NT	NT	NT	2,000
Chromium	BDL	NT	12	NT	BDL	NT	BDL	NT	NT	NT	BDL	5.7	18	BDL	BDL	BDL	BDL	130	BDL	58	NT	NT	NT	1.75
Lead	BDL	NT	17	NT	BDL	NT	BDL	NT	NT	NT	BDL	BDL	7.3	BDL	BDL	BDL	BDL	55	BDL	24	NT	NT	NT	15
Mercury	BDL	NT	BDL	NT	BDL	NT	BDL	NT	NT	NT	BDL	0.13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	0.36	0.13	0.17	NT
Selenium	BDL	NT	BDL	NT	BDL	NT	BDL	NT	NT	NT	5.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NT	5.9	BDL	BDL	NT

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

NT = not tested, well dry

NA = not applicable

bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

NT = not tested, well dry

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGQS		
Appendix I VOC's																										
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.4J	2J	
Benzene	8.2	7.5	8.9	7.9	10	13	9	8	5.1	5.9	5.3	6.5	6.5	5.2	6.7	7.1	5.6	6.8	6.7	6.6	6.8	6.2	6.2	1		
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.32J	BDL	
Carbon Disulfide	5.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.8	BDL	BDL	BDL	0.56	BDL								
Chloroethane	BDL	BDL	BDL	BDL	12	15	BDL	BDL	12	5.6	8.3	6.5	8.6	7	4.6	4.3	4.6	4.4	4.8	4.4	3.6	3	3.1	2,800	BDL	
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1	BDL
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.56J	BDL
1,4-Dichlorobenzene	12	13	16	14	19	21	17	15	15	13.7	13.5	15	17	14	14	15	13	18	20	17	19	18	20	1.4	BDL	
1,1-Dichloroethane	13	11	11	7.8	12	20	10	11	11	9.8	9	9.4	7.7	11	13	13	13	9.5	7.3	7.8	6.9	5.8	5.9	3.1	70	
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	5	BDL	BDL	2.2	2	1.8	BDL	BDL	2.2	2.4	1.7	2.1	2	1.7	2.1	2	1.6	1.6	BDL	
cis-1,2-Dichloroethene	82	80	74	82	66	98	71	66	66	61.4	66.8	62	54	57	54	64	40	55	60	47	47	50	52	70	BDL	
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36J	0.35J
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.45J	BDL
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.28J	0.51
2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31J	0.18J
Methylene Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.21J	BDL
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19J	BDL
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	1.1	BDL	BDL	BDL	0.57J	0.38J						
Trichloroethene	12	9.8	11	7.1	7	9	5	BDL	BDL	1.4	2.6	BDL	BDL	1.2	BDL	1	1	1	0.92J	1.7	2.8				1,000	BDL
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	12	15	14	BDL	5.1	6.3	5.9	6.6	7.6	5.8	6.2	8.2	6.2	8.1	7.3	9.2J	7	0.015		
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.1	BDL	BDL	1.1	6.2	0.95J										
RCRA Metals																										
Arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Barium	810	1,500	1,200	1,800	1,600	950	830	800	660	845	745	720	1,200	1,100	1,400	910	1,100	1,100	1,100	1,300	1,200	1,200	1,200	2,000		
Cadmium	16	8	21	12	4	4	4	4	BDL	BDL	2.6	3	BDL	3	2.6	BDL	BDL	1.2J	1J							
Chromium	BDL	15	4	7.8	28	BDL	BDL	BDL	6	8	BDL	8.1	6.6	21	BDL	BDL	BDL	BDL	3J	2.5J	BDL	BDL	BDL	BDL	50	
Lead	7	42	29	40	38	BDL	BDL	BDL	BDL	BDL	7.6	6.8	6.2	16	BDL	BDL	BDL	15								
Mercury	1.1	1.3	0.8	3.2	1.5	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.13	0.12	BDL	BDL	BDL	1.05							
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50	
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.76B	BDL

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGQS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-6D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL

Date	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS
Appendix I VOC's																	
Acetone	620	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.8J	BDL	BDL	700
Benzene	9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3	3.7	3.6	4.7	5	4.1	1	
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.5J	BDL	BDL	700
Chlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.62J	0.76J	0.77J	50
Chlorehane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.55J	BDL	BDL	2,800
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.41J	0.48J	0.48J	24
1,4-Dichlorobenzene	17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.4	3.7	3.5	4.8	6.3	6.6	6.6	1,4
1,1-Dichloroethane	10	BDL	2.3	2.6	2.9	2.5	BDL	3	3.3	3	9.2	11	14	16	18	16	70
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.8J	BDL	BDL	0.38
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.42J	BDL	BDL	0.32J
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	1.7	2.7	BDL	2.1	1.7	2.6	23	31	32	44	55	55	70
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.3J	100
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.7J	BDL	0.69J	0.51
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.3	2.4	BDL	0.94J	BDL	BDL	0.7	
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.4J	0.29J	BDL	1,000
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2	2.6	3.1	4.4	3.6	2.8	2.8	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.1	BDL	2.2	2.6	2.7	3.4	0.015	
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.53J	0.59J	0.72J	530
RCRA Metals																	
Barium	BDL	58	33	30	40	45	49	42	48	100	110	140	140	140	150	150	2,000
Cadmium	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	1	BDL	BDL	1.3J	1.6J	1.75	
Lead	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15	
Selenium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.1J	2.7BJ	BDL	50
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.4BJ	0.87J	1.1J	17.5

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result <PQL and >=MDL

MW-7

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	NCGPS
<i>Appendix I VOC's</i>							
Carbon Disulfide	21	8.3	BDL	BDL	BDL	BDL	700
Chloroethane	BDL	BDL	BDL	BDL	11	BDL	2,800
1,4-Dichlorobenzene	BDL	BDL	5.5	BDL	6	7	75
1,1-Dichloroethane	28	24	26	9.6	26	41	700
1,2-Dichloroethane	5	7.5	BDL	5.3	BDL	12	0.38
cis-1,2-Dichloroethene	22	21	18	12	20	34	70
Methylene Chloride	BDL	BDL	BDL	6.1	BDL	BDL	5
<i>RCRA Metals</i>							
Barium	460	530	480	580	500	640	2,000
Cadmium	BDL	BDL	BDL	BDL	2	3	5
Chromium	BDL	3	BDL	BDL	BDL	13	50
Lead	BDL	9	8	BDL	BDL	BDL	15
Mercury	BDL	BDL	BDL	3.4	BDL	BDL	1.1

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

MW-74

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS
Appendix I VOC's																	
Acetone	96	BDL	BDL	BDL	1,600	BDL	BDL	BDL	BDL	BDL	BDL	5.1J	BDL	BDL	BDL	BDL	700
Benzene	BDL	5.4	2.8	BDL	7.5	7.7	7.6	9.1	6	7.6	6.9	6.5	6.7	4.7	1.3	1	
2-Butanone	BDL	BDL	BDL	BDL	140	2,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4,200
Carbon Disulfide	BDL	BDL	BDL	BDL	17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36J	BDL	BDL	BDL	700
Chloroethane	BDL	BDL	3.5	4	BDL	BDL	3.9	2.6	2	BDL	2.4	BDL	BDL	0.57J	BDL	1.2J	2,800
Chlorobenzene	BDL	BDL	BDL	2.3	3.5	BDL	4	6.6	3.9	4.4	4.1	4.7	4.6	3.2	1.4	50	
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36J	0.3J	BDL	24
1,4-Dichlorobenzene	6	11	6.4	4.1	9.6	13	14	14	17	13	16	14	13	10	5.7	1.4	
1,1-Dichloroethane	13	5.2	10.6	7.8	3.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.24J	1.7	1.3	70
1,2-Dichloroethane	6	BDL	2.9	2.5	1.3	2.7	4.5	1.6	BDL	BDL	BDL	BDL	0.68J	BDL	BDL	BDL	0.38
cis-1,2-Dichloroethene	9	BDL	7.6	6.1	3.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.45J	1.6	1.6	70	
Ethylbenzene	15	7.3	BDL	BDL	13	22	48	31	32	8	BDL	BDL	BDL	BDL	BDL	BDL	550
2-Hexanone	BDL	BDL	BDL	BDL	BDL	BDL	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	280
4-Methyl-2-pentanone	BDL	BDL	BDL	BDL	15	690	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	560
Toluene	BDL	BDL	BDL	BDL	1.4	2.3	41	3.2	1.8	1	BDL	BDL	0.65J	0.71J	0.33J	1,000	
Vinyl Chloride	BDL	BDL	BDL	BDL	2.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.29J	0.015
Xylenes	23	BDL	BDL	BDL	23	11	110	44	46	8.6	8.4	6.1	6.9	2.1	0.42J	BDL	530
RCRA Metals																	
Arsenic	10	BDL	BDL	BDL	BDL	BDL	14	BDL	BDL	5	BDL	BDL	BDL	16	32	50	
Barium	BDL	BDL	312	252	300	410	440	420	390	420	420	420	420	420	430	2,000	
Cadmium	3	BDL	BDL	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2J	0.85J	1.75	
Chromium	19	BDL	BDL	BDL	BDL	BDL	BDL	6.7	BDL	BDL	BDL	BDL	3.5J	2.8J	BDL	50	
Lead	22	BDL	BDL	BDL	13	BDL	BDL	BDL	BDL	3.2	BDL	BDL	BDL	BDL	BDL	15	
Selenium	BDL	BDL	BDL	BDL	6	9.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50	
Silver	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.4BJ	BDL	BDL	17.5	

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

BDL = below detection limit

NCGPS = North Carolina Groundwater Protection Standard

VOC's = volatile organic compounds

bold and shade denotes above NCGPS

data presented in micrograms per liter (ug/l)

B = detected in method blank

J = estimated result < PQL and >=MDL

MW-8

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
GASTON COUNTY - CLOSED CRAMERTON LANDFILL
GASTON COUNTY, NORTH CAROLINA

Date	4/97	9/97	4/98	9/98	4/99	9/99	5/00	9/00	5/01	12/01	7/02	12/02	5/03	11/03	5/04	11/04	4/05	11/05	5/06	11/06	6/07	11/07	6/08	NCGPS
<i>Appendix I VOC's</i>																								
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70
<i>RCRA Metals</i>																								
Barium	180	410	520	720	BDL	BDL	BDL	BDL	128	282	58	150	130	660	490	220	360	250	110	220	46	47	2,000	
Cadmium	BDL	BDL	20	BDL	1	2	2	5	BDL	BDL	BDL	3.4	BDL	BDL	1.8	BDL	BDL	0.811	1.1J	2	1.75			
Chromium	BDL	19	16	26	BDL	14	BDL	22	BDL	6	21	BDL	BDL	5.6	51	16	7.3	21	12	6.2	16	BDL	BDL	50
Lead	7	13	16	19	BDL	BDL	BDL	12	BDL	BDL	4	BDL	BDL	11	11	3.7	3.1	BDL	BDL	2.8J	BDL	BDL	15	
Mercury	BDL	BDL	BDL	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.05

Notes:

Groundwater samples collected on above listed dates and analyzed for Appendix I VOC's and RCRA metals.

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VOC's = volatile organic compounds

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